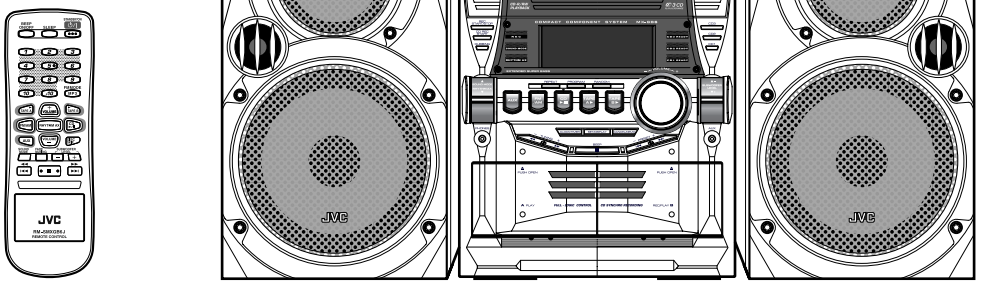
JVC

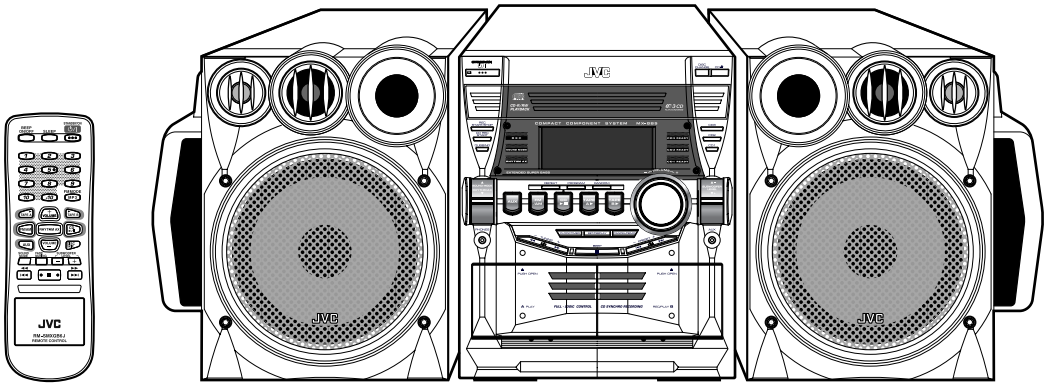
COMPACT COMPONENT SYSTEM

MX-GB6—Consists of CA-MXGB6 and SP-MXGB6
MX-GB5—Consists of CA-MXGB5 and SP-MXGB5



SP-MXGB6 CA-MXGB6 SP-MXGB6

COMPACT disc DIGITAL AUDIO



SP-MXGB5 CA-MXGB5 SP-MXGB5

COMPACT disc DIGITAL AUDIO

INSTRUCTIONS

For Customer Use:

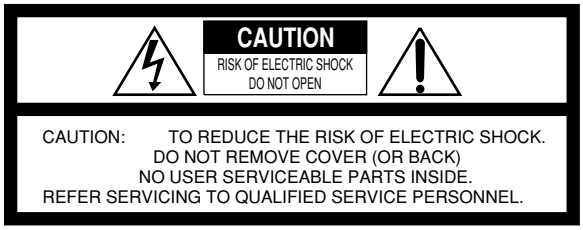
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

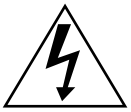
Model No. _____

Serial No. _____

LVT1188-001C
[J]

Warnings, Cautions and Others
Mises en garde, précautions et indications diverses


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK)
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

ATTENTION

Afin d'éviter tout risque d'électrocution, d'incendie, etc.:
1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

Caution — ⏻/I STANDBY/ON switch!
Disconnect the mains plug to shut the power off completely. The ⏻/I STANDBY/ON switch in any position does not disconnect the mains line. The power can be remote controlled.

Attention — Commutateur ⏻/I STANDBY/ON!
Déconnecter la fiche de secteur pour couper complètement le courant. Le commutateur ⏻/I STANDBY/ON ne coupe jamais complètement la ligne de secteur, quelle que soit sa position. Le courant peut être télécommandé.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION**: Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION**: Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

IMPORTANT POUR PRODUITS LASER

1. PRODUIT LASER CLASSE 1
2. **ATTENTION**: N'ouvrez pas le couvercle supérieur. Il n'y a aucune pièce réparable par l'utilisateur à l'intérieur de l'appareil; confiez toute réparation à un personnel qualifié.
3. **ATTENTION**: Risque de radiations laser visible et invisible quand l'appareil est ouvert et que le système de verrouillage ne fonctionne pas ou a été mis hors service. Évitez toute exposition directe au rayon.
4. REPRODUCTION DE L'ÉTIQUETTE: ÉTIQUETTE DE PRÉCAUTION PLACÉE À L'INTERIEUR DE L'APPAREIL.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED AVOID EXPOSURE TO BEAM
ADVARSAL : USYNLIG LASERSTRALING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSATTELSE FOR STRÅLING
VARO : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NAKYMATTÖ MALLELASERSATEILYLLE ÄLÄ KATSO SATEESEEN!
VARNING : OSYNLIG LASERSTRÅLNING NAR DENNA DEL AR OPPNAD OCH SPARREN AR URKOPPLAD BETRAKTA EJ STRÅLEN!

For Canada/pour le Canada

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQUAU FOND.

For Canada/pour le Canada

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED "DIGITAL APPARATUS," ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS.

CET APPAREIL NUMERIQUE RESPECTE LES LIMITES DE BRUITS RADIOELECTRIQUES APPLICABLES AUX APPAREILS NUMIRIQUES DE CLASSE B PRESCRITES DANS LA NORME SUR LE MATERIEL BROUILLEUR: "APPAREILS NUMERIQUES", NMB-003 EDICTEE PAR LE MINISTRE DES COMMUNICATIONS.

Caution: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

1 Front:
No obstructions and open spacing.

2 Sides/ Top/ Back:
No obstructions should be placed in the areas shown by the dimensions below.

3 Bottom:
Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

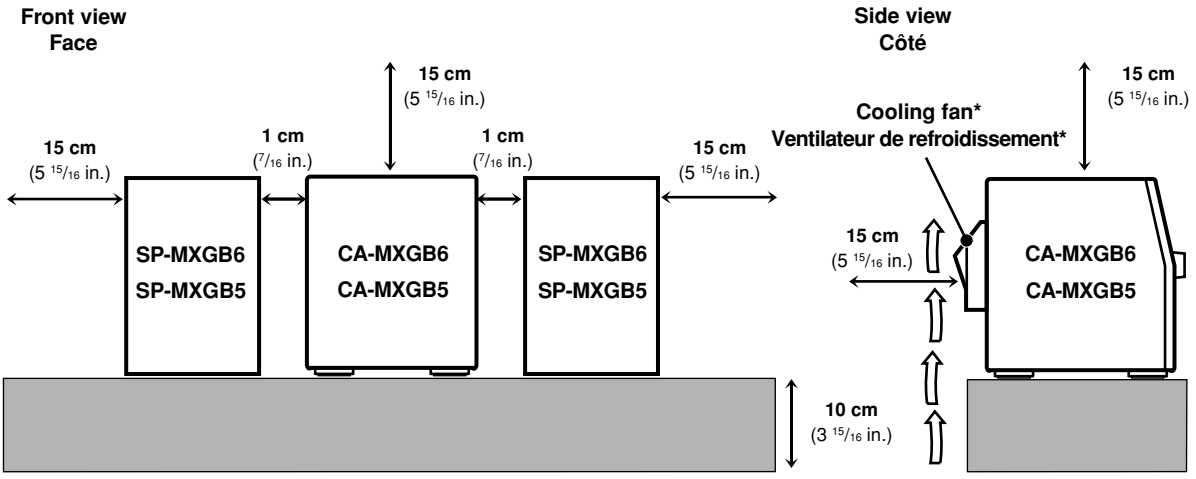
Attention: Aération correcte

Pour prévenir tout risque de décharge électrique ou d'incendie et éviter toute détérioration, installez l'appareil de la manière suivante:

1 Avant:
Bien dégagé de tout objet.

2 Côtés/dessus/dessous:
Assurez-vous que rien ne bloque les espaces indiqués sur le schéma ci-dessous.

3 Dessous:
Posez l'appareil sur une surface plane et horizontale. Veillez à ce que sa ventilation correcte puisse se faire en le plaçant sur un support d'au moins dix centimètres de hauteur.



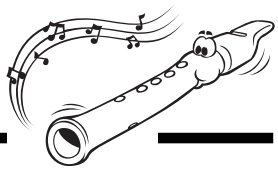
*** About the cooling fan**

A cooling fan is mounted on the rear panel of the unit to prevent abnormal temperature inside the unit, thus assuring normal operation of the unit. The cooling fan automatically starts rotating to intake external cool air when the volume is increased up to more than a certain level.

*** À propos du ventilateur de refroidissement**

Un ventilateur de refroidissement se trouve sur le panneau arrière de l'appareil afin d'éviter la création d'une température anormale à l'intérieur de l'appareil et permettre ainsi un fonctionnement normal de l'appareil. Le ventilateur de refroidissement commence à tourner et à aspirer de l'air frais automatiquement quand le volume est augmenté au-dessus d'un certain niveau.

Introduction



We would like to thank you for purchasing one of our JVC products. Before operating this unit, read this manual carefully and thoroughly to obtain the best possible performance from your unit, and retain this manual for future reference.

About This Manual

This manual is organized as follows:

- **The manual mainly explains operations using the buttons and controls on the unit. You can also use the buttons on the remote control if they have the same or similar names (or marks) as those on the unit.**
  If operation using the remote control is different from that using the unit, it is then explained.
- Basic and common information that is the same for many functions is grouped in one place, and is not repeated in each procedure. For instance, we do not repeat the information about turning on/off the unit, setting the volume, changing the sound effects, and others, which are explained in the section "Common Operations" on pages 9 to 11.
- The following marks are used in this manual:

Gives you warnings and cautions to prevent damage or risk of fire/electric shock.
Also gives you information which is not good for obtaining the best possible performance from the unit.

Gives you information and hints you had better know.

Precautions

Installation

- Do not grasp the control knobs when moving or carrying the unit.
- Install in a place which is level, dry and neither too hot nor too cold—between 5˚C (41˚F) and 35˚C (95˚F).
- Install the unit in a location with adequate ventilation to prevent internal heat built-up in the unit.
- Leave sufficient distance between the unit and the TV.
- Keep the speakers away from the TV to avoid interference with TV.

DO NOT install the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

Power sources

- When unplugging from the wall outlet, always pull the plug, not the AC power cord.

DO NOT handle the AC power cord with wet hands.

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting heating in the room
- In a damp room
- If the unit is brought directly from a cold to a warm place

Should this occur, the unit may malfunction. In this case, leave the unit turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.

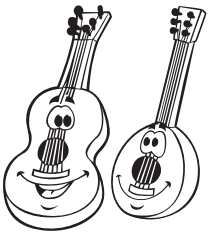
Others

- Should any metallic object or liquid fall into the unit, unplug the unit and consult your dealer before operating any further.
- If you are not going to operate the unit for an extended period of time, unplug the AC power cord from the wall outlet.

DO NOT disassemble the unit since there are no user serviceable parts inside.

If anything goes wrong, unplug the AC power cord and consult your dealer.

Contents



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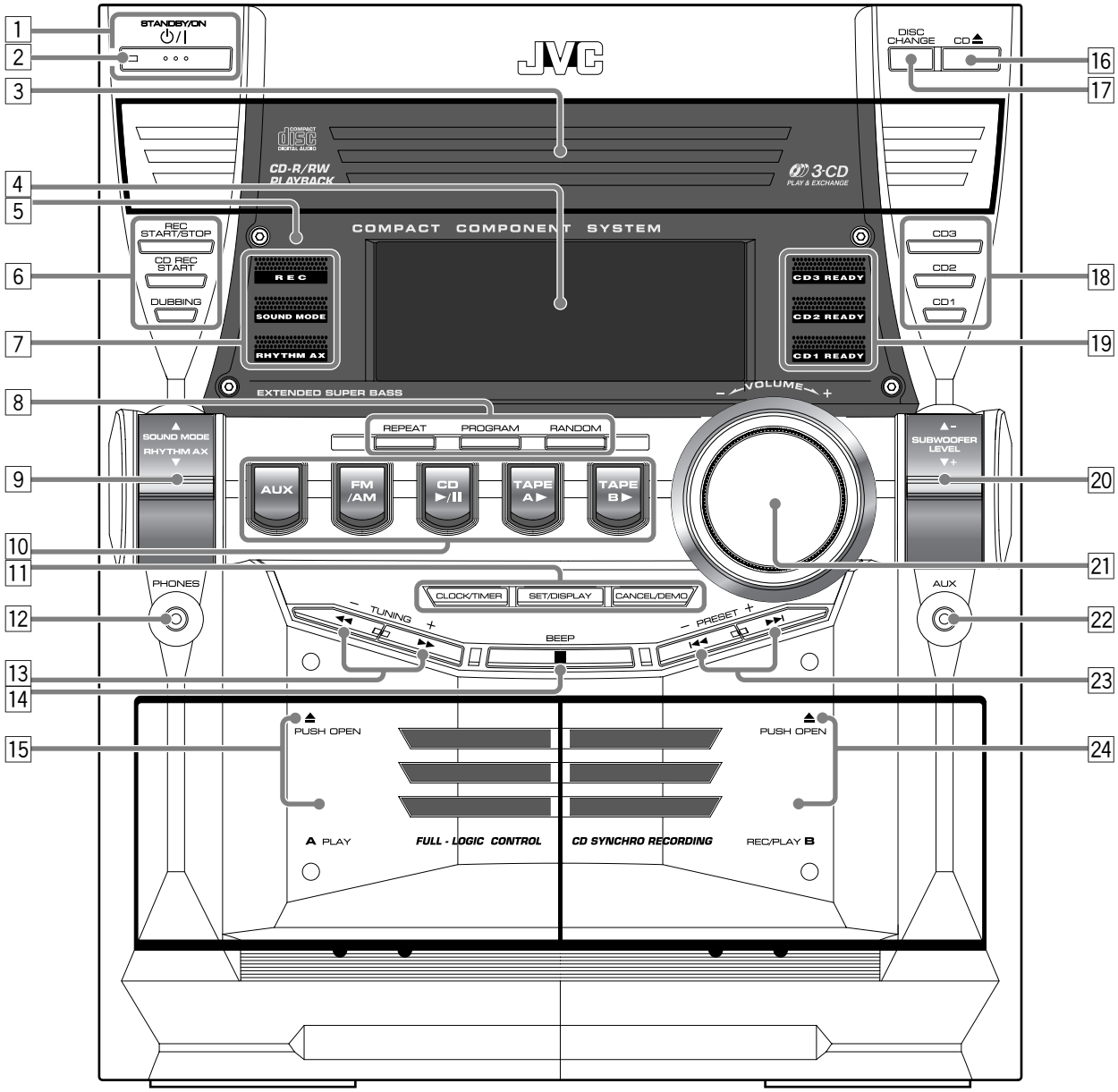
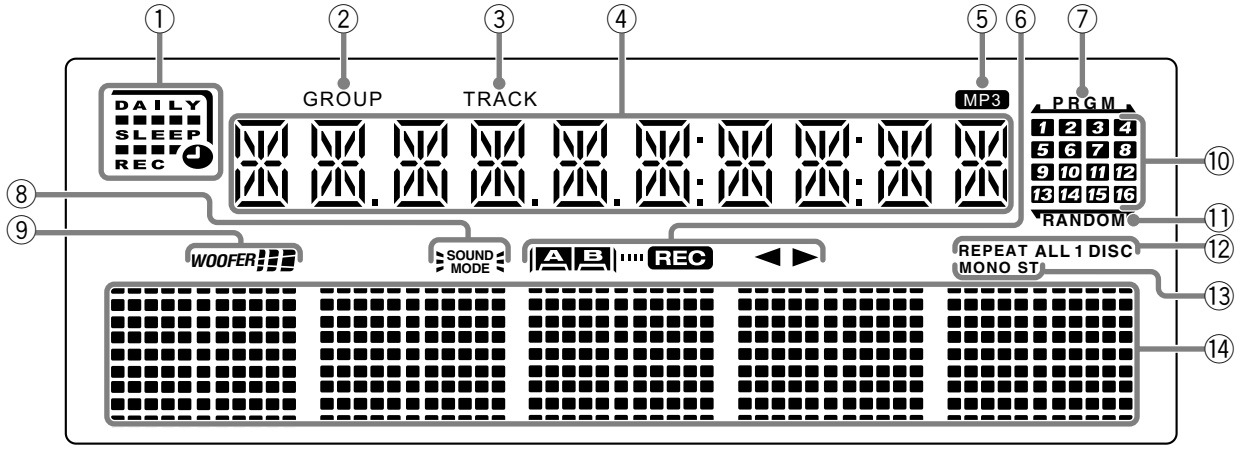
Location of the Buttons and Controls

Become familiar with the buttons and controls on your unit.

Front Panel



Display Window



See pages in the parentheses for details.

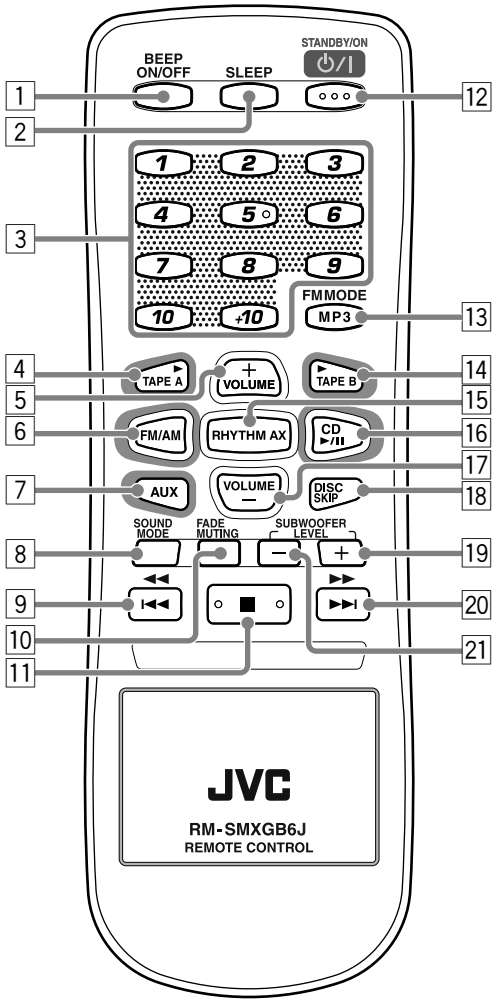
Front Panel

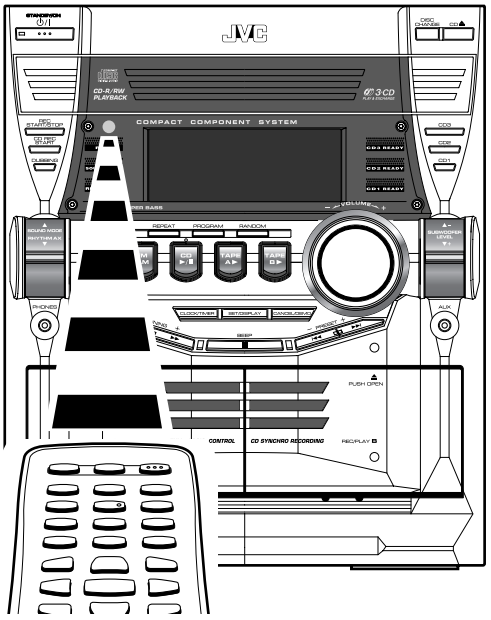
1 ⏻/I STANDBY/ON button (9, 24, 25)
2 Standby lamp (9)
3 Carrousel
4 Display window
5 Remote sensor (5)
6 REC START/STOP button (21)
CD REC START button (22)
DUBBING button (22)
7 REC lamp (21, 22)
SOUND MODE lamp (11)
RHYTHM AX lamp (10)
8 REPEAT button (13, 15, 19)
PROGRAM (MP3 Resume on/off) button (17, 18)
RANDOM button (19)
9 SOUND MODE control (11)
RHYTHM AX control (10)
10 AUX button (9)
FM/AM button (9, 12)
CD ►/II (play/pause) button (9, 13 – 15, 18)
TAPE A ► (play) button (9, 20, 22)
TAPE B ► (play) button (9, 20, 22)
Pressing one of these buttons also turns on the unit.
11 CLOCK/TIMER button (9, 23 – 25)
SET/DISPLAY button (9, 12, 18, 23 – 25)
CANCEL/DEMO button (8, 9, 18, 24, 25)
12 PHONES jack (10)
13 TUNING +/– buttons (12)
►► / ◄◄ (fast forward/fast rewind) buttons (15, 20)
14 ■ (stop) button (13 – 15, 18 – 22)
BEEP button (11)
15 Deck A cassette holder (20, 22)
Pressing the ▲ (open/close) *portion opens the holder.*
16 CD ▲ (Carrousel open/close) button (13 – 15, 17 – 19)
Pressing this button also turns on the unit.
17 DISC CHANGE button (13, 15)
18 Disc number buttons (CD1, CD2, and CD3) (14, 15, 18, 19, 22)
Pressing one of these buttons also turns on the unit.
19 CD READY lamps (CD1, CD2, and CD3) (14)
20 SUBWOOFER LEVEL +/– control (10)
21 VOLUME control (10)
22 AUX jack (8)
23 PRESET +/– buttons (12)
►►I / I◄◄ (forward search/reverse search) buttons (9, 15 – 19, 23 – 25)
24 Deck B cassette holder (20 – 22, 24)
Pressing the ▲ (open/close) *portion opens the holder.*

Display Window

① Timer indicators
• DAILY (daily timer), SLEEP (sleep timer), REC (recording timer), and ◕ (timer) indicators
② GROUP indicator
③ TRACK indicator
④ Main display
• Shows the source name, frequency, etc.
⑤ MP3 indicator
⑥ Tape operation indicators
• A/B (operating deck), REC (recording), and ◄ ► (tape running) indicators
⑦ PRGM (program) indicator
⑧ SOUND MODE indicator
⑨ WOOFER indicator
⑩ CD track number indicators
⑪ RANDOM indicator
⑫ REPEAT mode indicators
• REPEAT, 1, 1 DISC, ALL DISC indicators
⑬ Tuner operation indicators
• MONO and ST (stereo) indicators
⑭ Volume level, Subwoofer level and Sound Mode pattern indicators

Remote Control





When using the remote control, point it at the remote sensor on the front panel.

Remote Control

1 BEEP ON/OFF button (11)
2 SLEEP button (25)
3 Number buttons (12, 16)
4 TAPE A ► (play) button (9, 20)
Pressing this button also turns on the unit.
5 VOLUME + button (10)
6 FM/AM button (9, 12)
Pressing this button also turns on the unit.
7 AUX button (9)
Pressing this button also turns on the unit.
8 SOUND MODE button (11)
9 I◄◄/◄◄ (reverse search/fast rewind) button (12, 15 – 17, 19, 20)
10 FADE MUTING button (10)
11 ■ (stop) button (13 – 15, 18 – 22)
12 ⏻/I STANDBY/ON button (9)
13 FM MODE button (12)
MP3 button (17)
14 TAPE B ► (play) button (9, 20)
Pressing this button also turns on the unit.
15 RHYTHM AX button (10)
16 CD ►/II (play/pause) button (9, 13 – 15, 18)
Pressing this button also turns on the unit.
17 VOLUME – button (10)
18 DISC SKIP button (13, 15)
19 SUBWOOFER LEVEL + button (10)
20 ►►I/►► (forward search/fast forward) button (12, 15 – 17, 19, 20)
21 SUBWOOFER LEVEL – button (10)

Getting Started

Continued

Unpacking

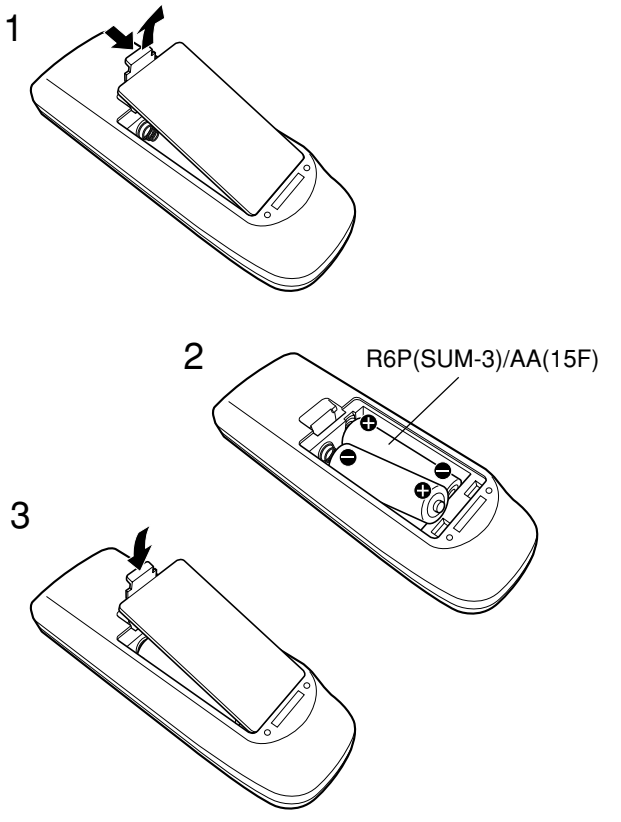
After unpacking, check to be sure that you have all the following items.
The number in the parentheses indicates the quantity of the pieces supplied.

- AM loop antenna (1)
- FM antenna (1)
- Remote control (1)
- Batteries (2)

If any is missing, consult your dealer immediately.

Putting the Batteries into the Remote Control

Insert the batteries—R6P(SUM-3)/AA(15F)—into the remote control, by matching the polarity (+ and –) on the batteries with the + and – markings on the battery compartment.
When the remote control can no longer operate the unit, replace both batteries at the same time.

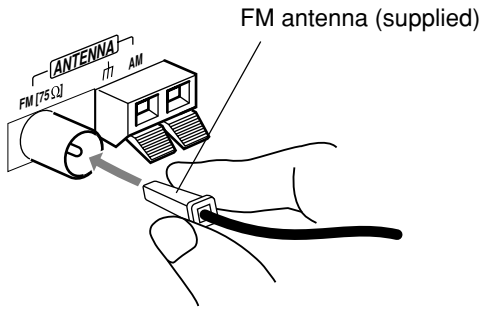


STOP!

- DO NOT use an old battery together with a new one.
- DO NOT use different types of batteries together.
- DO NOT expose batteries to heat or flame.
- DO NOT leave the batteries in the battery compartment when you are not going to use the remote control for an extended period of time. Otherwise, it will be damaged from battery leakage.

Connecting Antennas

FM antenna



1 **Attach the FM antenna to the FM [75 Ω] coaxial terminal.**

2 **Extend the FM antenna.**

3 **Fasten it up in the position which gives you the best reception, then fix it on the wall, etc.**

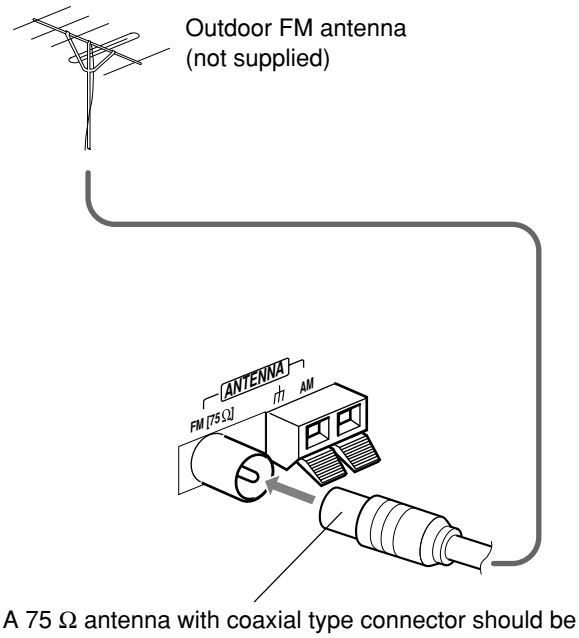
notes

About the supplied FM antenna

The FM antenna supplied with this unit can be used as temporary measure. If reception is poor, you can connect an outdoor FM antenna.

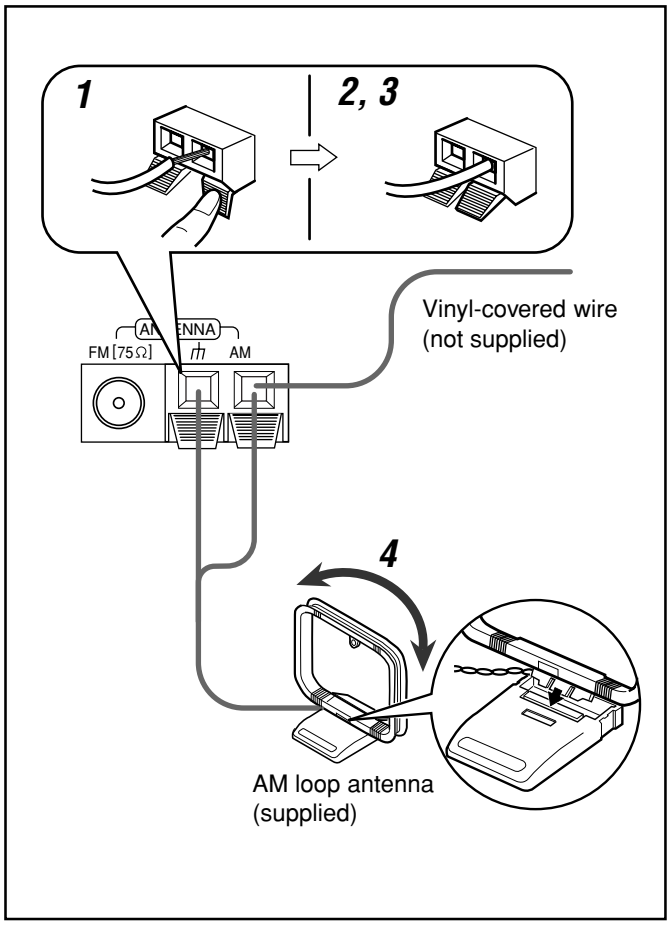
To connect an outdoor FM antenna

Before connecting it, disconnect the supplied FM antenna.



A 75 Ω antenna with coaxial type connector should be used.

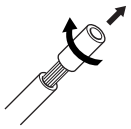
AM antenna



1 Press and hold the clamp of the AM terminal on the rear of the unit.

2 Insert the end of the AM loop antenna cord into the terminal.

- If the AM loop antenna wire is covered with vinyl, remove the vinyl by twisting it as shown in the diagram.



3 Release the finger from the clamp.

4 Turn the AM loop antenna until you have the best reception.

To connect an outdoor AM antenna

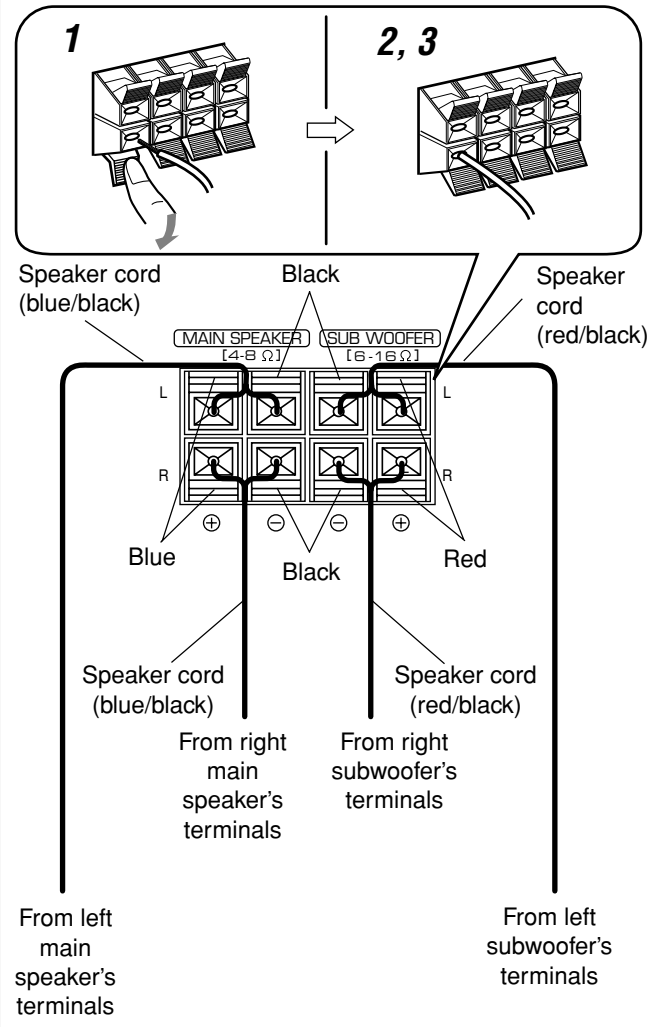
When reception is poor, connect a single vinyl-covered wire to the AM terminal and extend it horizontally. (The AM loop antenna must remain connected.)

For better reception of both FM and AM

- Make sure the antenna conductors do not touch any other terminals and connecting cords.
- Keep the antennas away from metallic parts of the unit, connecting cords, and the AC power cord.

Connecting Speakers

For MX-GB6:
DO NOT carry the speaker by holding the tube duct (on the top of the speaker).

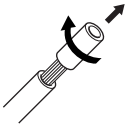


1 Press and hold the clamp of the speaker terminal on the rear of the unit.

2 Insert the end of the speaker cord into the terminal.

Match the colors (polarity): Blue (+) to blue (+) and black (–) to black (–); red (+) to red (+) and black (–) to black (–).

- If the wire is covered with vinyl, remove the vinyl by twisting it as shown in the diagram.



3 Release the finger from the clamp.

IMPORTANT:

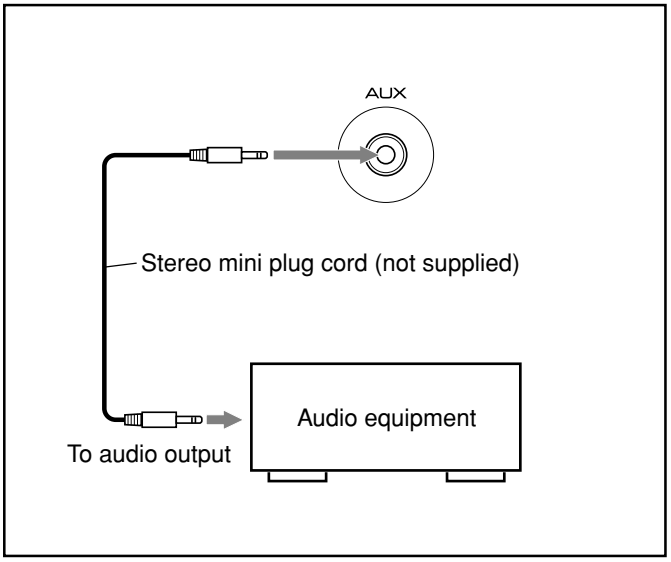
- Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the unit.
- DO NOT connect more than one speaker to one speaker terminal.

Connecting Other Equipment

You can connect audio equipment—used only as a playback device.

- DO NOT connect any equipment while the power is on.
- DO NOT plug in any equipment until all connections are complete.

To connect audio equipment



For playing the other equipment through this unit, connect between the audio output jack on the other equipment and AUX jack on the front of the unit by using a stereo mini plug cord (not supplied).

If the audio output on the other equipment is not stereo mini plug type

Use a plug adapter to convert the stereo mini plug to the corresponding plug of the audio output.

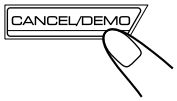
NOW you are ready to plug in the unit and other connected equipment.

Canceling the Display Demonstration

When connecting the AC power cord into a wall outlet, the unit automatically starts the display demonstration.

On the unit ONLY:

To cancel the display demonstration, press CANCEL/DEMO while the display demonstration is shown on the display.

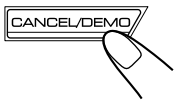


When you press other buttons

The display demonstration stops temporarily. It will start automatically again (if no operation is done for 2 minutes) until you cancel it.

To start the display demonstration manually

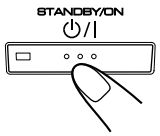
Press and hold CANCEL/DEMO again for more than 2 seconds.



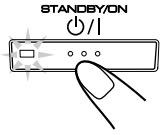
Common Operations

Turning On or Off the Power

To turn on the unit, press ⏻/I STANDBY/ON so that the standby lamp goes off.



To turn off the unit (on standby), press ⏻/I STANDBY/ON again so that the standby lamp lights up.



A little power is always consumed even while the unit is on standby.

To switch off the power supply completely, unplug the AC power cord from the AC outlet.

When you unplug the AC power cord or if a power failure occurs

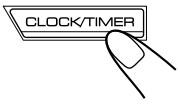
The clock is reset to "– – : – –" soon, while the tuner preset stations (see page 12) will be erased in a few days.

Setting the Clock

Before operating the unit any further, first set the clock built in this unit. You can set the clock whether the unit is on or off.

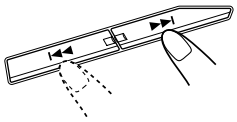
On the unit ONLY:

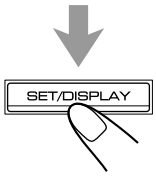
1 Press CLOCK/TIMER.



The hour digits start flashing on the display.

2 Press ►►I or I◄◄ to adjust the hour, then press SET/DISPLAY.

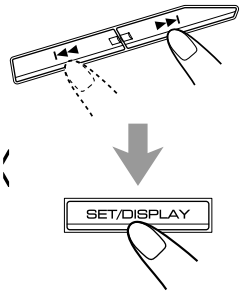




The minute digits start flashing on the display.

- If you want to correct the hour after pressing SET/DISPLAY, press CANCEL/DEMO. The hour digits start flashing again.

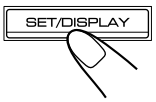
3 Press ►►I or I◄◄ to adjust the minute, then press SET/DISPLAY.



To check the clock time

Press and hold SET/DISPLAY for more than 2 seconds while playing any source.

- To return to the source indication, press SET/DISPLAY.



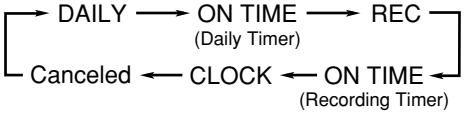
While the time indication appears on the display

If you press a button or turn a control, the time indication returns to the source indication.

To adjust the clock again

If you have adjusted the clock before, you need to press CLOCK/TIMER repeatedly until "CLOCK" is selected.

- Each time you press the button, the clock/timer setting modes change as follows:



If there is a power failure

The clock loses the setting and is reset to "– – : – –." You need to set the clock again.

Selecting the Sources

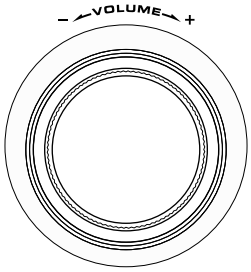
To listen to the radio, press FM/AM. (See page 12.)
To play back CDs, press CD ►/II. (See pages 13 – 19.)
To play back tapes, press TAPE A ► or TAPE B ►. (See page 20.)
To select the external equipment as the source, press AUX.

When you press the play button for a particular source (AUX, FM/AM, CD ►/II, TAPE A ►, and TAPE B ►), the unit turns on (and the unit starts playing the source if it is ready—COMPU PLAY CONTROL).

Adjusting the Volume

You can adjust the volume level only while the unit is turned on.
This function only affects the playback sound, not your recording.

Turn the VOLUME control clockwise to increase the volume or counterclockwise to decrease it.



- The volume level can be adjusted in 32 steps (VOL MIN, VOL 1 — VOL 30, and VOL MAX).

When using the remote control, press VOLUME + to increase the volume or press VOLUME – to decrease it.

For private listening

Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers. Be sure to turn down the volume before connecting or putting on headphones.

> Always set the volume to the minimum before starting any source. If the volume is set to extremely high level, a sudden blast of sound can damage your hearing, speakers and/or headphones.
> - If you have turned off (on standby) the unit with the volume level set at more than level "15," the volume level will be automatically set at level "15" next time you turn on the unit.

To turn down the volume level temporarily

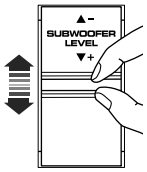
Press FADE MUTING on the remote control. The volume level gradually decreases to "VOL MIN."

To restore the sound, press the button again.

Reinforcing the Bass Sound

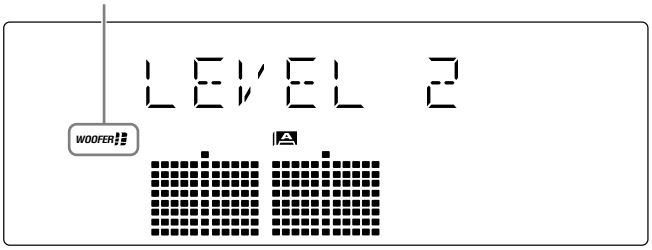
This function only affects the playback sound, not your recording.

Press down the SUBWOOFER LEVEL +/– control to increase the subwoofer sound or up the control to decrease it.



- The subwoofer level can be adjusted in 3 steps (LEVEL 1 — LEVEL 3).
  If you press down the control to increase the level beyond LEVEL 3, "MAX LEVEL" appears on the display.

WOOFER indicator also shows the current subwoofer level.

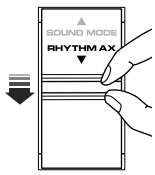


When using the remote control, press SUBWOOFER LEVEL + to increase the subwoofer sound or press SUBWOOFER LEVEL – to decrease it.

Enjoying the Powerful Sound—RHYTHM AX

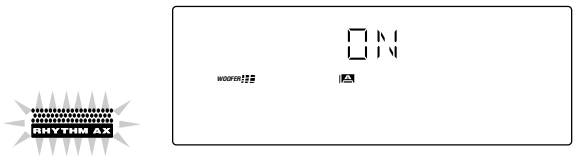
Using RHYTHM AX, harder-hitting beats intensify your listening experience even at low sound levels.
RHYTHM AX also works even when the song has no "beat," such as classical music, so that you can listen to the rich sound even at low sound levels.
This function only affects the playback sound, not your recording.

Press down the RHYTHM AX control.



"RHYTHM AX" (twice), then "ON" appears on the display.

- Each time you press down the control, RHYTHM AX turns on and off alternately.
- The RHYTHM AX lamp also lights up.



When using the remote control, press RHYTHM AX.

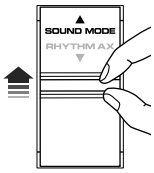
- Each time you press the button, RHYTHM AX turns on and off alternately.

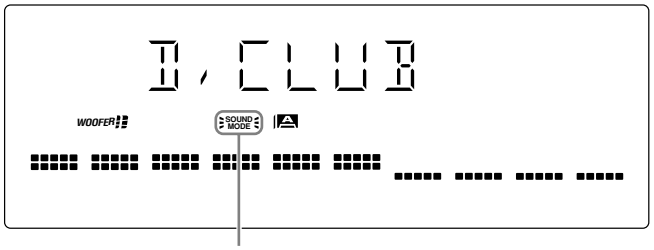
Selecting the Sound Modes

This function only affects the playback sound, not your recording.

You can select one of the 6 preset sound modes (3 surround modes and 3 SEA—Sound Effect Amplifier—modes).

To select the sound modes, press up the SOUND MODE control repeatedly until the sound mode you want appears on the display.
- The SOUND MODE lamp also lights up.





SOUND MODE indicator also lights up on the display

- First time you press up the control, the current sound mode appears on the display.
  Each time you press up the control while a sound mode appears on the display, the sound modes change as follows:

D.CLUB → HALL → STADIUM → ROCK → (Dance CLUB) → OFF (Canceled) ← CLASSIC ← POP ←

Surround modes*:
D.CLUB : Increases resonance and bass.
HALL : Adds depth and brilliance to the sound.
STADIUM: Adds clarity and spreads the sound, like in an outdoor stadium.

SEA (Sound Effect Amplifier) modes:
ROCK : Boosts low and high frequency. Good for acoustic music.
POP : Good for vocal music.
CLASSIC : Good for classical music.

OFF : Cancels the sound mode.

* Surround elements are added to the SEA elements to create being-there feeling in your room.
When one of these modes is selected, the SOUND MODE indicator lights up as SOUND MODE.

While one of the SEA modes (SEA elements without surround elements) is selected, the SOUND MODE indicator lights up as SOUND MODE.

When using the remote control, press SOUND MODE to select the sound mode.

- First time you press the button, the current sound mode appears on the display.
  Each time you press the button while a sound mode appears on the display, the sound modes change as follows:

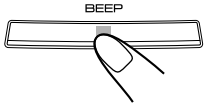
D.CLUB → HALL → STADIUM → ROCK → (Dance CLUB) → OFF (Canceled) ← CLASSIC ← POP ←

Turning On or Off the Key-touch Tone

If you do not want the key-touch tone to beep each time you press a button or turn a control, you can deactivate it.
- You can turn on or off the key-touch tone as follows:
  –When the unit is off:
  You can turn on or off the key-touch tone by operating the unit.
  –When the unit is on:
  You can turn on or off the key-touch tone by operating the unit or the remote control.

On the unit:

Press and hold BEEP for more than 2 seconds.



- Each time you press and hold the button, the key-touch tone turns on and off alternately.

On the remote control:

Press BEEP ON/OFF when the unit is on.

- Each time you press the button, the key-touch tone turns on and off alternately.

Listening to the Radio

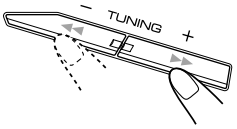
Tuning in to a Station—Auto Search

1 Press FM/AM.

The unit automatically turns on and tunes in to the previously tuned station (either FM or AM).
- Each time you press the button, the band alternates between FM and AM.

2 Start searching for stations.

On the unit:



Press and hold TUNING + or TUNING – for more than 1 second.

On the remote control:

Press and hold ►►I/►► or I◄◄/◄◄ for more than 1 second.

The unit starts searching for stations and stops when a station of sufficient signal strength is tuned in to.
If a program is broadcast in stereo, the ST (stereo) indicator lights up.

To stop during searching, press TUNING + or TUNING – (or ►►I/►► or I◄◄/◄◄ on the remote control).

When you press TUNING + or TUNING – (or ►►I/►► or I◄◄/◄◄ on the remote control) briefly and repeatedly

The frequency changes step by step.

To change the FM reception mode

When an FM stereo broadcast is hard to receive or noisy, press FM MODE on the remote control so that "MONO" appears and the MONO indicator also lights up on the display. Reception improves.

To restore the stereo effect, press FM MODE again so that "STEREO" appears on the display.
In this stereo mode, you can hear stereo sounds when a program is broadcast in stereo.

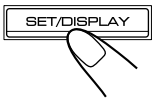
Presetting Stations

You can preset 30 FM and 15 AM stations.
In some cases, test frequencies have been already memorized for the tuner since the factory examined the tuner preset function before shipment. This is not a malfunction. You can preset the stations you want into memory by following the presetting method.
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step ***2*** again.

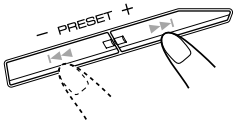
On the unit ONLY:

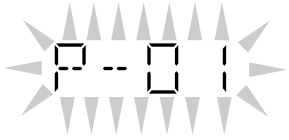
1 Tune in to the station you want to preset (in this example, of FM 87.50).
- See "Tuning in to a Station—Auto Search."

2 Press SET/DISPLAY.

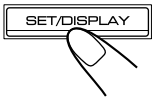


3 Press PRESET + or PRESET – to select a preset number.





4 Press SET/DISPLAY again.



The tuned station in step ***1*** is stored in the preset number selected in step ***3***.
- Storing a new station on a used number erases the previously stored one.

When you unplug the AC power cord or if a power failure occurs

The preset stations will be erased in a few days. If this happens, preset the stations again.

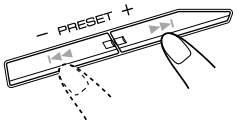
Tuning in to a Preset Station

1 Press FM/AM.

The unit automatically turns on and tunes in to the previously tuned station (either FM or AM).
- Each time you press the button, the band alternates between FM and AM.

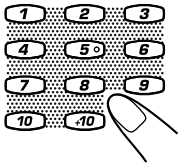
2 Select a preset number.

On the unit:



Press PRESET + or PRESET –.

On the remote control:



Press the number buttons.

Ex.: For preset number 5, press 5.
For preset number 15, press +10 then 5.
For preset number 20, press +10, then 10.
For preset number 25, press +10, +10, then 5.
For preset number 30, press +10, +10, then 10.

Playing Back CDs

This unit has been designed to playback the following CDs:
- Audio CD
- CD-R (CD-Recordable)
- CD-RW (CD-ReWritable)
- MP3 disc (MP3 files recorded on a CD-R or CD-RW)*

When playing a CD-R or CD-RW
- User-edited CD-Rs (CD-Recordable) and CD-RWs (CD-ReWritable) can be played back when they are already "finalized."
- Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.

Important notices:
- In general, you will have the best performance by keeping your CDs and the mechanism clean.
  - Store CDs in their cases, and keep them in cabinets or on shelves.
  - Keep the unit's carrousel closed when not in use.
- Continuous use of irregular shaped discs (heart-shape, octagonal, etc.) can damage the disc rotating mechanism.

- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than for regular CDs.

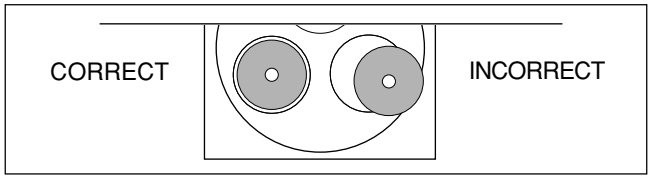
***For MP3 discs**
- This unit manages files and folders on MP3 discs as "tracks" and "albums."
- Playback order of the MP3 files (tracks) recorded on a disc are determined by the writing (or encoding) application; therefore, playback order may be different from the one you have intended while recording the files and the folders.
- This unit shows the file (track) names and the ID3v1/1.1 tags (only "Title" and "Artist") on the display after the file starts play; however, there is a limitation on available characters and some file names and ID3v1/1.1 tags are not shown correctly.

More about MP3 discs
- MP3 discs (either CD-R or CD-RW) require a longer readout time. (It varies due to the complexity of the recording configuration.)
- When making an MP3 disc, select ISO 9660 Level 1 or Level 2 as the disc format.
- This unit does not support multisession recording.
- This unit can play MP3 files only with the following file extensions— ".MP3," ".Mp3," ".mP3," and ".mp3."
- Non-MP3 files are ignored. If non-MP3 files are recorded together with MP3 files, this unit will take a longer time to scan the disc. It may also cause the unit to malfunction.
- Some MP3 discs may not be played back because of their disc characteristics or recording conditions.

Loading CDs

1 Press CD ⏏.
The unit automatically turns on and the carrousel comes out.

2 Place one or two discs correctly on the front recesses of the disc tray, with its label side up.



- When using a CD single (8 cm), place it on the inner recess of the disc tray.

3 If you wish to load a third disc, press DISC CHANGE on the unit or DISC SKIP on the remote control.
The disc tray rotates by 120˚.

4 Press CD ⏏ again.
The carrousel closes.

Playing Back CDs—All Disc and One Disc

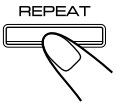
You can play all loaded CDs continuously—All Disc play, or one selected disc—One Disc play.

All Disc play

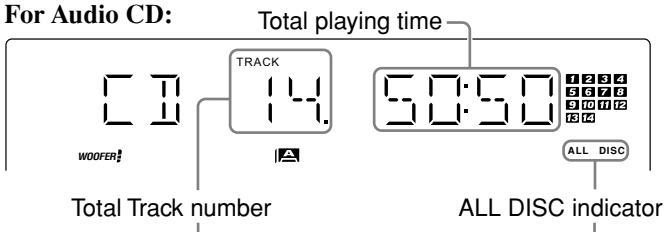
On the unit ONLY:

1 Load CDs.
- If the current playing source is not the CD player, press CD ▶/II, then ■ before going to the next step.

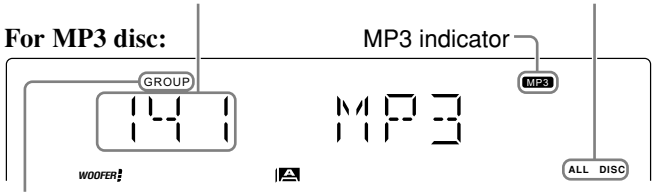
2 Press REPEAT repeatedly so that the ALL DISC indicator lights up on the display.



For Audio CD:

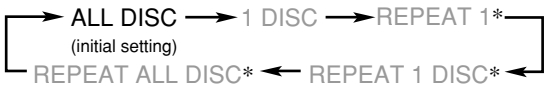


For MP3 disc:



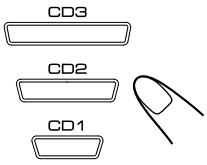
GROUP indicator appears when the MP3 playback mode is the ALBUM mode. See also page 17.

• Each time you press the button, the indication on the display changes as follows:



* See page 19.

3 Press one of the disc number buttons (CD1, CD2 or CD3) for the disc you want to start to play from.

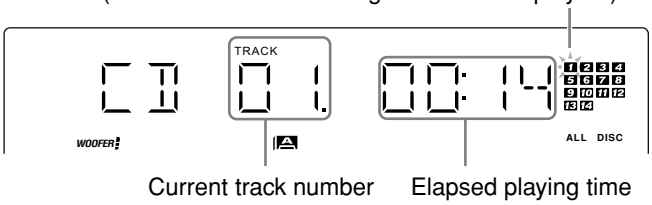


CD play starts from the first track of the selected disc.

• Pressing CD ▶/II instead of the disc number buttons starts playing back if a CD is on the tray.

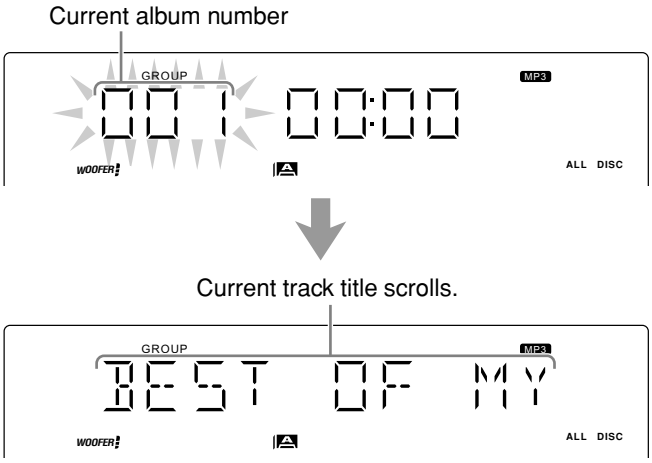
For Audio CD:

Track number of the currently playing disc flashes (Track numbers exceeding 16 are not displayed.)



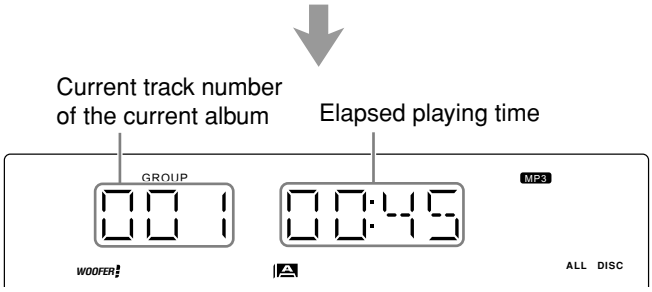
For MP3 disc:

• When the MP3 playback mode is the ALBUM mode (See also page 17.)

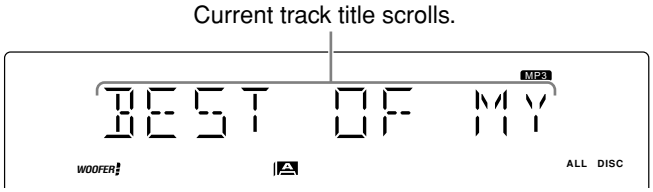


When the track includes the ID3v1/1.1 tags, “Title” and “Artist” will scroll after the track title.

• “<TITLE>” appears before the content of “Title” scrolls and “<ARTIST>” appears before the content of “Artist” scrolls.

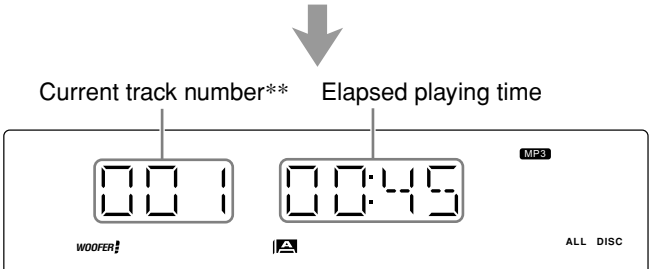


• When the MP3 playback mode is the TRACK mode (See also page 17.)



When the track includes the ID3v1/1.1 tags, “Title” and “Artist” will scroll after the track title.

• “<TITLE>” appears before the content of “Title” scrolls and “<ARTIST>” appears before the content of “Artist” scrolls.



** In the TRACK mode, the unit manage only files (tracks) on the MP3 disc. Folders (albums) are not recognized.

To stop during play, press ■.

• For MP3 disc, this unit can store the number of the track that you have stopped playback. By pressing CD ▶/II, you can start playback again from the beginning of the same track—Resume play (see also page 17).

To remove the disc, press CD ⏏.

CD playback sequence

When 3 CDs are loaded on the disc trays, they are played in one of the following sequences.

- When CD1 is pressed : CD1 ⇨ CD2 ⇨ CD3 (then stops)
- When CD2 is pressed : CD2 ⇨ CD3 ⇨ CD1 (then stops)
- When CD3 is pressed : CD3 ⇨ CD1 ⇨ CD2 (then stops)

* When only 2 CDs are loaded, they are played in the same order, but the disc tray without a CD is skipped.

About the CD READY lamps (CD1, CD2, and CD3)

- Each lamp corresponds to the disc tray of the same number.
- The CD READY lamp flashes while the corresponding CD is being played.
- The CD READY lamp goes off when the unit has detected that there is no CD on the corresponding disc tray.

One Disc play

When 2 or 3 CDs are loaded on the disc trays, you can select one particular disc to be played back.

On the unit ONLY:

1 Load CDs.

- If the current playing source is not the CD player, press CD ►/II, then ■ before going to the next step.

2 Press REPEAT repeatedly so that the 1 DISC indicator lights up on the display.

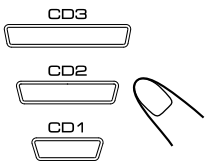
- Each time you press the button, the indication on the display changes as follows:

ALL DISC (initial setting) → 1 DISC → REPEAT 1* → REPEAT ALL DISC* ← REPEAT 1 DISC* ←

* See page 19.

3 Press one of the disc number buttons (CD1, CD2 or CD3) you want to listen.

Playback stops when all tracks of the selected disc are played once and resumes to All Disc play.



To stop during play, press ■.

- For MP3 disc, this unit can store the number of the track that you have stopped playback. By pressing CD ►/II, you can start playback again from the beginning of the same track—Resume play (see also page 17).

To remove the disc, press CD ⏏.

To exit from One Disc play, press REPEAT repeatedly so that ALL DISC indicator lights up on the display.

The following operations will also cancel the One Disc play and restore All Disc play when—

- Stopping playback,
- Turning off the power,
- Ejecting the carrousel, or
- Changing the source to play.

Basic CD Operations

While playing a CD, you can do the following operations.

To exchange CDs during playback of another

Press DISC CHANGE to change the CD and the carrousel comes out.
If you change CDs during play, the current play will not stop until all CDs you have changed are played.

To close the carrousel, press DISC CHANGE or CD ⏏.

To skip to the another CD in the carrousel

Press DISC SKIP on the remote control.

To stop play for a moment

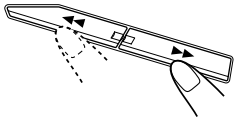
Press CD ►/II.
While pausing, "PAUSE" appears on the display.

To resume play, press CD ►/II again.

To locate a particular point in a track

During play, press and hold ►► or ◄◄.

- ►►: Fast forwards the disc.
- ◄◄: Fast reverses the disc.



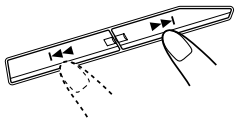
When using the remote control, press and hold ►►I/►► or I◄◄/◄◄.

To go to another track

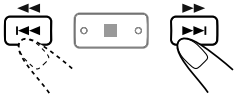
For Audio CD:

Press ►►I or I◄◄ before or during playback.

- ►►I: Skips to the beginning of the next or succeeding tracks.
- I◄◄: Goes back to the beginning of the current or previous tracks.



When using the remote control, press ►►I/►► or I◄◄/◄◄.



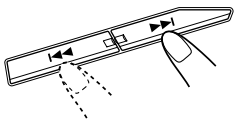
If you press ►►I or I◄◄ (or ►►I/►► or I◄◄/◄◄ on the remote control) to select a track while playback is stopped

The selected track starts playback.

For MP3 disc:

When the MP3 playback mode is the TRACK mode
(See also page 17.)

Press ►►I or I◄◄ before or during playback.



- ►►I: Skips to the beginning of the next or succeeding tracks.
- I◄◄: Goes back to the beginning of the current or previous tracks.

When using the remote control, press ►►I/►► or I◄◄/◄◄.

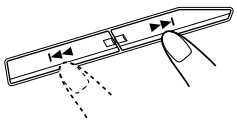
If you press ►►I or I◄◄ (or ►►I/►► or I◄◄/◄◄ on the remote control) to select a track while playback is stopped

The selected track starts playback.

To go to another album on an MP3 disc

When the MP3 playback mode is the ALBUM mode
(See also page 17.)

Press ►►I or I◄◄ before or during playback.



- ►►I: Skips to the beginning of the first track in the next or succeeding albums.
- I◄◄: Goes back to the beginning of the first track in the previous albums.

When using the remote control, press ►►I/►► or I◄◄/◄◄.

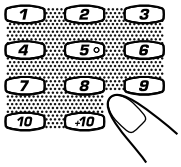
If you press ►►I or I◄◄ (or ►►I/►► or I◄◄/◄◄ on the remote control) to select an album while playback is stopped

The first track in the selected album starts playback.

To go to another track directly using the number buttons

For Audio CD:

Pressing the number button(s) before or during play allows you to start playing the selected track.

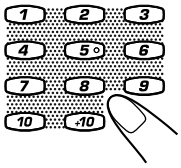


Ex.: For track number 5, press 5.
For track number 15, press +10, then 5.
For track number 20, press +10, then 10.
For track number 32, press +10, +10, +10, then 2.

For MP3 disc:

• When the MP3 playback mode is the TRACK mode
(See also page 17.)

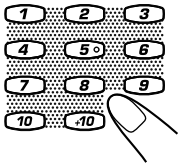
Pressing the number button(s) before or during play allows you to start playing the selected track on the disc.



Ex.: For track number 5, press 5.
For track number 15, press +10, then 5.
For track number 20, press +10, then 10.
For track number 32, press +10, +10, +10, then 2.
For track number 123, press +10 twelve times, then 3.

• When the MP3 playback mode is the ALBUM mode
(See also page 17.)

Pressing the number button(s) before or during play allows you to start playing the selected track in the current album.



Ex.: For the 5th track in the current album, press 5.
For the 15th track in the current album, press +10, then 5.
For the 20th track in the current album, press +10, then 10.
For the 32nd track in the current album, press +10, +10, +10, then 2.
For the 123rd track in the current album, press +10 twelve times, then 3.

If your entry is ignored

You have tried to enter a track number that does not exist on the disc or in the album (for example, selecting track 14 in the album that only has 12 tracks). Such entries are ignored.

Changing the MP3 Playback Mode

When playing an MP3 disc, you can choose the playback mode of the MP3 disc as follows:

- **TRACK mode:**
  The unit recognizes only tracks (files). You can play an MP3 disc like an Audio CD.
- **ALBUM mode:**
  The unit recognizes tracks (files) and albums (folders) on an MP3 disc. You can play an MP3 disc according to the way how they are grouped.
  In this mode, you can do the following operations:
  - Pressing ►►I or I◄◄ (or ►►I/►► or I◄◄/◄◄ on the remote control) allows you to skip to the first track of the previous or next albums. (See page16.)
  - Pressing the number button(s) allows you to start playing the selected track in the current album. (See page16.)

On the remote control ONLY:

Press MP3 before or during playing an MP3 disc.

GROUP indicator appears when the MP3 playback mode is the ALBUM mode.

- Each time you press the button, the MP3 playback mode changes between “ALBUM” and “TRACK” alternately.

Turning On or Off the Resume Play for MP3 Disc

For MP3 disc, this unit can store the number of the track that you have stopped playback. By pressing CD ►/II, you can start playback again from the beginning of the same track—Resume play.
You can turning on and off the resume play for MP3 discs.

On the unit ONLY:

Press PROGRAM before or during playing an MP3 disc.

- Each time you press PROGRAM, the resume play turns on and off alternately.

If you unplug the AC power cord
The resume play is back to on.

The following operations will erase the memory of the track number that you have stopped playback when—
- Pressing CD ▲ to eject the disc.
- Pressing one of the disc number buttons (or DISC SKIP on the remote control) to change the disc to play.

Programming the Playing Order of the Tracks —Program Play

You can arrange the order in which the tracks play before you start playing. **You can program up to 32 tracks.**

- To use Repeat play (see page 19) for Program play, press REPEAT after starting Program play.

Playback and recording for Program play are not available to MP3 discs on this unit

There may be a malfunction in case that you try to do such playback or recording.
If a malfunction occurs, unplug the AC power cord and then plug it back in.

On the unit ONLY:

1 Load CDs.

- If the current playing source is not the CD player, press CD ►/II, then ■ before going to the next step.

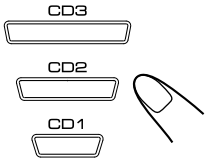
2 Press PROGRAM so that "PROGRAM" appears on the display.

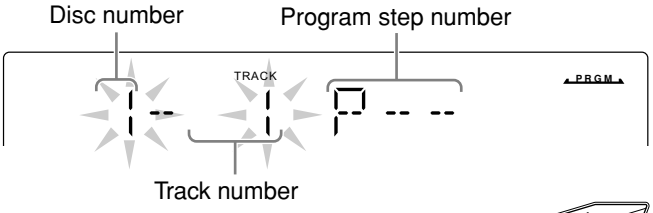
The PRGM (program) indicator also lights up on the display.

- All Disc play is selected automatically. You cannot select One Disc play for Program play.

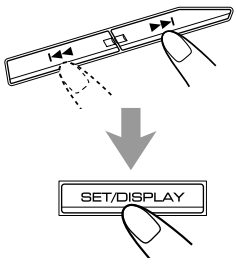
- If a program has been stored in memory, the program is called up.

3 Press one of the disc number buttons (CD1, CD2, and CD3) to select the disc number you want to play.





4 Press ►►I or I◄◄ to select the track number, then press SET/DISPLAY.



Each time you select a track and press SET/DISPLAY, the selected track number is added to the track number indicator.

- You can select up to the 99th track on each disc.

5 Program other tracks you want.

- To program tracks from the same disc, repeat step ***4***.
- To program tracks from a different disc, repeat steps ***3*** and ***4***.

6 Press CD ►/II.

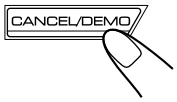
The tracks are played in the order you have programmed.

To stop during play, press ■.

To exit from Program play, press PROGRAM again before or after play so that the unit enters All Disc play. (The program you have made is stored in memory until you turn off the unit, eject the carrousel, or erase the program.)

- Program play is also canceled when you press CD ⏏.

To modify the program



Before playing, you can erase the last programmed track shown on the display by pressing CANCEL/DEMO.

- Each time you press the button, the last programmed track is erased from the program.

To add tracks in the program before play, simply select the disc numbers and/or track numbers you want to add by following steps ***3*** and ***4*** of the programming procedure.

To check the program before play, perform the following procedure:

1 Press RANDOM while Program play is stopped.
2 Press ►►I or I◄◄.
The programmed tracks appear on the display in the programmed (or reverse) order.

- Pressing CD ►/II starts Program play from the first track of the program.

If you want to add tracks in the program after checking the program

Press PROGRAM twice, then add tracks by following steps ***3*** and ***4*** of the programming procedure.

To erase the entire program, press ■ while Program play is stopped.

- Turning the power off or ejecting the carrousel will also erase the stored memory.

If you try to add another track when 32 tracks are already programmed

"FULL" appears on the display and the 32nd track is replaced by the newly added track.

If you have programmed a track from an empty tray, or a track number that does not exist on the disc

Such program steps will be skipped.

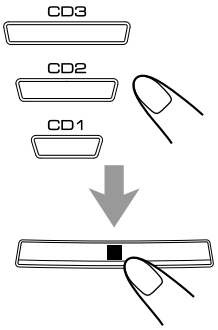
Playing at Random——Random Play

The tracks of the selected CD will play at random.
- To use Random play, you have to cancel Program play.

On the unit ONLY:

1 Load a CD.

2 Press one of the disc number buttons (CD1, CD2, and CD3) for the disc you want to play, then press ■.



3 Press RANDOM so that "RANDOM" appears on the display.

The RANDOM indicator also lights up on the display.
- Activating Random play cancels Repeat play or All Disc play. (One Disc play is automatically selected.)
- For MP3 discs, activating Random play changes the ALBUM mode to the TRACK mode.

- The tracks are played automatically at random. Random play ends when all tracks are played once.

To stop and cancel Random play, press ■.
- If you press RANDOM again during play, Random play is canceled and the unit enters All Disc play mode.
- Random play is also canceled when you press CD ⏏.

If you press ►►| or |◄◄ (or ►►|/►► or |◄◄/◄◄ on the remote control)

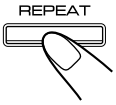
Playback skips to the next track selected randomly.

Repeating Tracks or CDs——Repeat Play

You can have all the CDs, the program or the individual track currently playing repeat as many times as you like.
- Repeat play and Random play cannot be used at the same time.

On the unit ONLY:

To repeat play, press REPEAT during or before playing.



- Each time you press the button, Repeat play mode changes as follows, and the following indicator lights up on the display:

ALL DISC* → 1 DISC* → REPEAT 1 → REPEAT 1 DISC → REPEAT ALL DISC →

REPEAT 1: Repeats one track on one CD.
REPEAT 1 DISC**: Repeats all the tracks on one CD.
REPEAT ALL DISC: Repeats all the tracks on all the CDs, or all the tracks on the program.

* See pages 13 and 15.

** REPEAT 1 DISC is not used for Program play.

To cancel Repeat play, press REPEAT repeatedly until the REPEAT indicator (REPEAT 1, REPEAT 1 DISC or REPEAT ALL DISC) goes off from the display.
- Repeat play is also canceled in the following cases:
  –When you press ■ or CD ⏏.
  –When you change the source.
  –When you turn off the unit.

Prohibiting Disc Ejection——Carrousel Lock

You can prohibit CD ejection from the unit and can lock the carrousel.
- This operation is possible only while the unit is on with CD selected as the source.

On the unit ONLY:

To prohibit disc ejection, press CD ⏏ for the carrousel while holding ■.
"LOCKED" appears for a while, and the carrousel is locked.

If you try to eject CDs

"LOCKED" appears to inform you that the Carrousel Lock is in use.

To cancel the prohibition and unlock the carrousel, press CD ⏏ for the carrousel while holding ■.
"UN LOCKED" appears for a while, and the carrousel is unlocked.

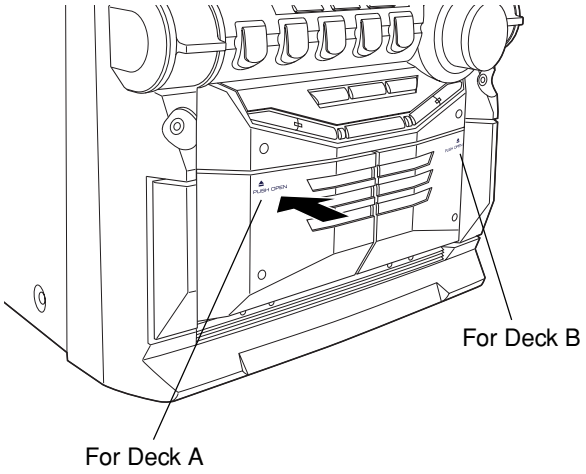
When you unplug the AC power cord or if a power failure occurs

The setting of the Carrousel Lock will return to the initial setting (not to prohibit disc ejection) in a few days.

Playing Back Tapes

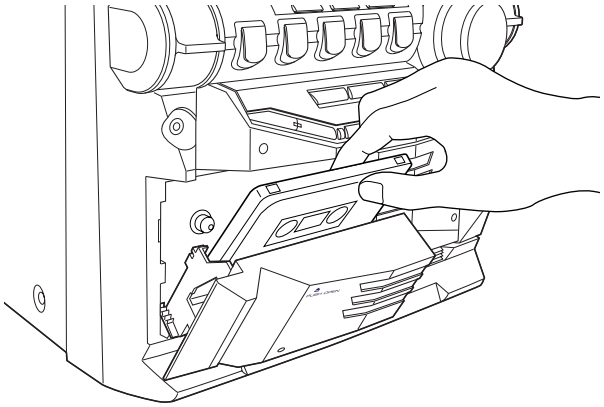
Playing Back a Tape

1 Press ⏏ for the deck you want to use.



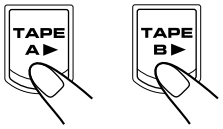
2 Put a cassette in, with the exposed part of the tape down and the side you want to play facing front.

• You can play back only type I tapes.



3 Close the cassette holder gently.

4 Press TAPE A ► for the deck A or TAPE B ► for the deck B .



The tape play starts and the tape running indicator (►) starts flashing slowly.

The operating deck (A or B) indicator shows the deck currently selected.

When the tape plays to the end, the deck automatically stops.

To stop during play, press ■.

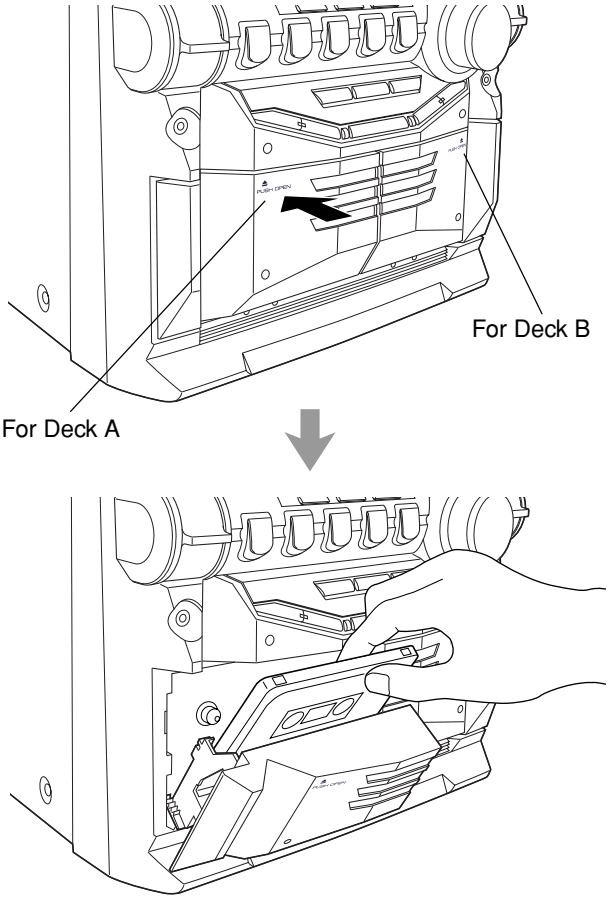
To fast-forward the tape, press ►► (or ►►I/►► on the remote control). The tape running indicator (►) starts flashing quickly.

To rewind the tape, press ◄◄ (or I◄◄/◄◄ on the remote control). The tape running indicator (◄) starts flashing quickly.

When you fast-forward or rewind the tape while the tape play is stopped

You can fast-forward or rewind the tape in the deck currently selected.

To remove the cassette, press ⏏ for deck A or B.



STOP! The use of the C-120 or thinner tape is not recommended, since characteristic deterioration may occur and this tape easily jams in the pinch-rollers and the capstans.

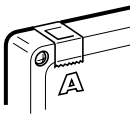
Recording

IMPORTANT:

- **It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable program and in any literary, dramatic, musical, or artistic embodied therein.**
- The recording level is automatically set correctly, so it is not affected by the VOLUME, the SUBWOOFER LEVEL, the RHYTHM AX, and the SOUND MODE controls. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- If recordings you have made have excessive noise or static, the unit may be too close to a TV. Place the unit away from the TV.
- You can use type I tape for recording.

To protect your recording

Cassettes have two small tabs on the back to protect unexpected erasure or re-recording.
To protect your recording, remove these tabs.
To re-record on a protected tape, cover the holes with adhesive tape.

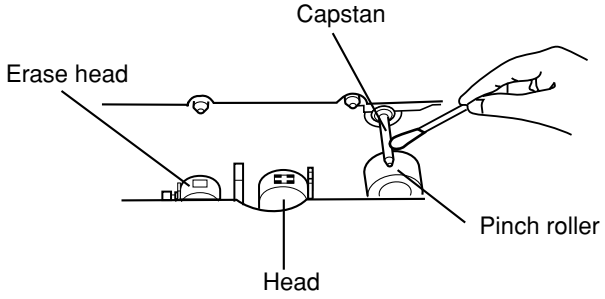


To keep the best recording and playback sound quality

If the heads, capstans, and pinch rollers of the cassette decks become dirty, the following will occur:

- Impaired sound quality
- Discontinuous sound
- Fading
- Incomplete erasure
- Difficulty in recording

To clean the head, capstan, and pinch roller
Use a cotton swab moistened with alcohol.

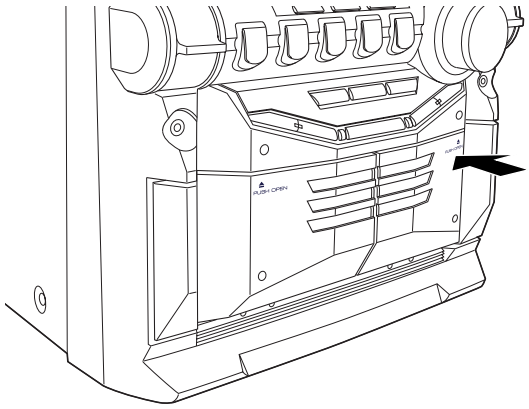


To demagnetize the head
Turn off the unit, and use a head demagnetizer (available at electronics and audio shops).

Recording a Tape on Deck B

On the unit ONLY:

1 Press ⏏ for deck B.



2 Put a recordable cassette in, with the exposed part of the tape down and the side you want to record facing front.

3 Close the cassette holder gently.

4 Start playing the source—FM, AM, CD player or auxiliary equipment connected to AUX IN jack.

- For duplicating tapes, see “Dubbing Tapes” on page 22.
- For recording from CD, see “CD Synchronized Recording” on page 22.

5 Press REC START/STOP.

The REC (recording) indicator lights up on the display and recording starts.

- The REC (recording) lamp also lights up during recording.

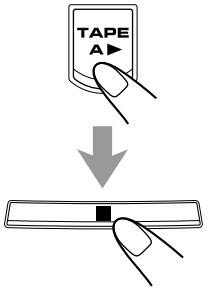
To stop during recording, press REC START/STOP again or ■.

To remove the cassette, press ⏏ for deck B.

Dubbing Tapes

On the unit ONLY:

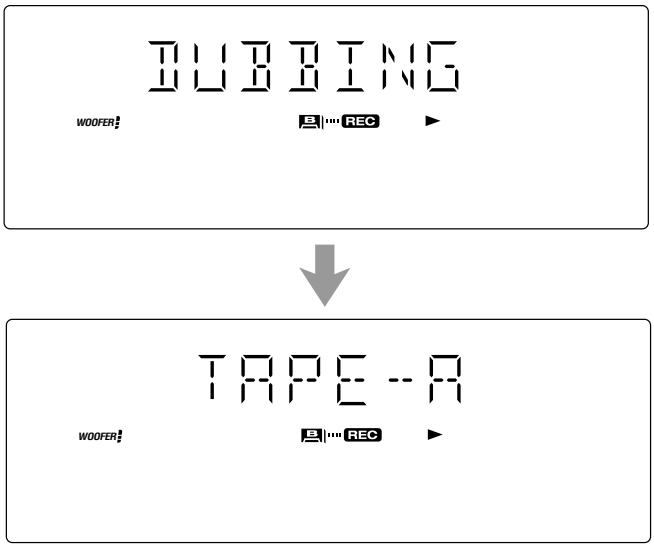
1 Press TAPE A ►, then ■.



2 Put the source cassette in deck A, and a recordable cassette into deck B.

3 Press DUBBING.

Dubbing starts.
"DUBBING" appears, and the REC (recording) indicator lights up on the display.
- The REC (recording) lamp also lights up during recording.



To stop during dubbing, press REC START/STOP or ■.

To remove the cassettes, press ⏏ for deck A and B.

CD Synchronized Recording

You can easily record a CD onto a tape.
- This function does not work for MP3 discs. When recording an MP3 disc onto a tape, see "Recording a Tape on Deck B" on page 21.
- You can also record the tracks in the order you have made the program.

Playback and recording for Program play are not available to MP3 discs on this unit

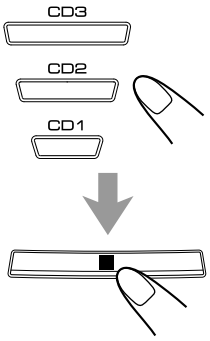
There may be a malfunction in case that you try to do such playback or recording.
If a malfunction occurs, unplug the AC power cord and then plug it back in.

On the unit ONLY:

1 Put a recordable cassette into deck B.

2 Place a disc correctly on the recess of the disc tray, with its label side up.

3 Press one of the disc number buttons (CD1, CD2, and CD3) to select the disc, then ■.



4 Press CD REC START.

"CD REC" appears, and the REC (recording) indicator lights up on the display.
- The REC (recording) lamp also lights up during recording.

Deck B starts recording and the CD player starts playing. When the recording from the selected CD is done, the CD player and deck B stop.
- When recording your program, the CD player and deck B stop after all tracks in the program are recorded.

To stop during CD Synchronized Recording, press REC START/STOP or ■.

To remove the cassette, press ⏏ for deck B.

Using the Timers

There are three timers available—Daily Timer, Recording Timer, and Sleep Timer.
Before using the timers, you need to set the clock built in the unit. (See "Setting the Clock" on page 9.)

Using Daily Timer

With Daily Timer, you can wake to your favorite music or radio program. You can set the timer whether the unit is on or off.

How Daily Timer actually works

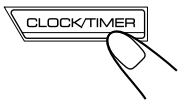
The unit automatically turns on, set the volume level to the preset level, and starts playing the specified source when the on-time comes (the ◕ indicator flashes while the timer is operating). Then, when the off-time comes, the unit automatically turns off (stands by).
Daily Timer works every day unless you cancel it.

- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step ***1*** again.
- If you have made a mistake while setting timer, press CANCEL/DEMO. (However, this does not always work. If CANCEL/DEMO does not work, press CLOCK/TIMER repeatedly and start from step ***1*** again.)

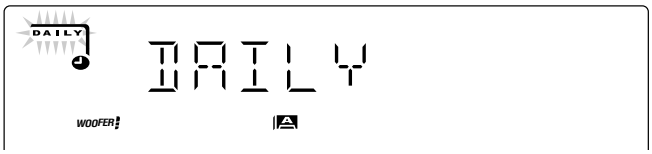
Before you start...
- *When using the tuner as the source to play:*
  — Make sure to preset a station you want to play. (See page 12.)
- *When using a CD as the source to play:*
  — Make sure there is a CD you want to play on the currently selected disc number tray.
- *When using a tape as the source to play:*
  — Make sure that a tape you want to play is in the deck A if there are tapes in both the deck A and B.
- *When using the external component as the source to play:*
  — Set the timer equipped with the external component at the same time.

On the unit ONLY:

1 Press CLOCK/TIMER repeatedly until "DAILY" appears on the display.



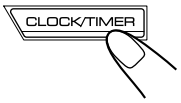
◕ indicator lights up and the DAILY (daily timer) indicator starts flashing on the display.



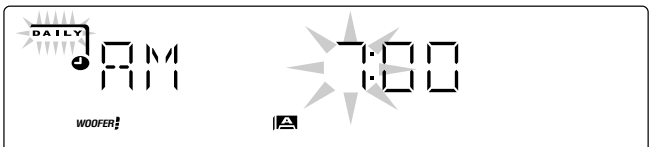
- Each time you press the button, the clock/timer setting modes change as follows:

DAILY → ON TIME → REC
(Daily Timer)
Canceled ← CLOCK ← ON TIME
(See page 9.) (Recording Timer)

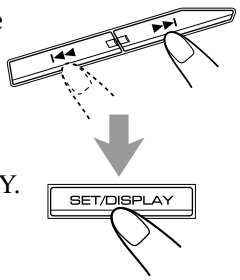
2 Press CLOCK/TIMER again.



"ON TIME" appears for 2 seconds, then the unit enters on-time setting mode.

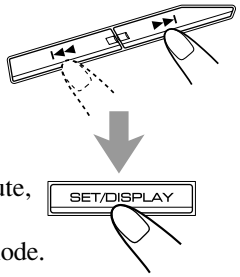


3 Set the on-time you want the unit to turn on.

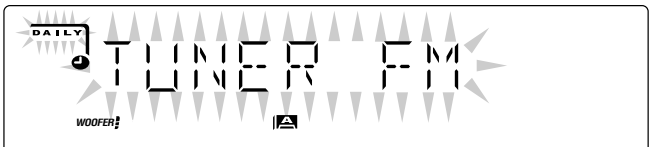


1) Press ▶▶| or |◀◀ to set the hour, then press SET/DISPLAY.
2) Press ▶▶| or |◀◀ to set the minute, then press SET/DISPLAY.
"OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.

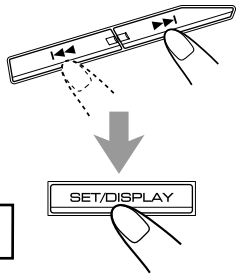
4 Set the off-time you want the unit to turn off (on standby).



1) Press ▶▶| or |◀◀ to set the hour, then press SET/DISPLAY.
2) Press ▶▶| or |◀◀ to set the minute, then press SET/DISPLAY.
The unit enters source selecting mode.



5 Press ▶▶| or |◀◀ to select the source to play, then press SET/DISPLAY.

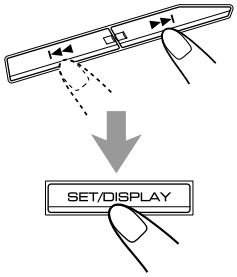


- Each time you press ▶▶| or |◀◀, the source changes as follows:

TUNER FM ⟷ TUNER AM
AUX ⟷ TAPE ⟷ CD

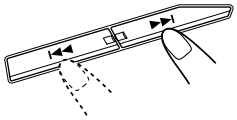
TUNER FM : tunes in to a specified preset FM station.
→ go to step ***6***.
TUNER AM : tunes in to a specified preset AM station.
→ go to step ***6***.
CD : plays the current disc from the first track.
→ go to step ***7***.
TAPE : plays a tape in deck A or B.
→ go to step ***7***.
AUX : plays an external source.
→ go to step ***7***.

6 Select the preset station number.

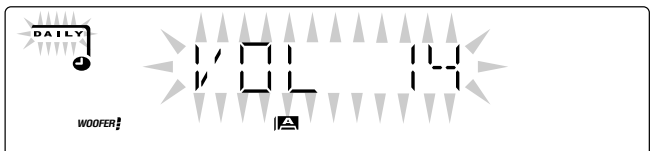


Press ►►I or I◄◄ to select the preset station number, then press SET/DISPLAY.
The unit enters volume setting mode.

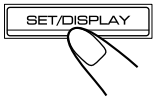
7 Press ►►I or I◄◄ to set the volume level.



- You can select the volume level from VOL MIN, VOL 1 — VOL 30, and VOL MAX.

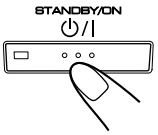


8 Press SET/DISPLAY to complete the Daily Timer setting.



The DAILY (daily timer) indicator stops flashing and remains lit. The settings you have done are shown on the display in sequence for your confirmation.

9 Press ⏻/I STANDBY/ON to turn off the unit (on standby) if you have set the Daily Timer with the unit turned on.



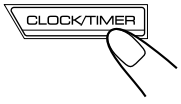
notes

If the unit is turned on when the timer-on time comes

Daily Timer does not work.

To turn on or off Daily Timer after its setting is done

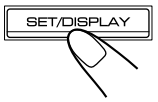
1 Press CLOCK/TIMER repeatedly until "DAILY" appears on the display.



2 To turn off the Daily Timer, press CANCEL/DEMO.

The DAILY (daily timer) indicator goes off from the display ("OFF" appears for a while).
The Daily Timer is canceled, but the setting for the Daily Timer remains in memory until you change it.

To turn on the Daily Timer, press SET/DISPLAY.



The DAILY (daily timer) indicator lights up on the display. The settings you have done are shown on the display in sequence for your confirmation.

Using Recording Timer

With Recording Timer, you can make a tape of a radio broadcast automatically. You can set the timer whether the unit is on or off.

How Recording Timer actually works

The unit automatically turns on, tunes in to the specified station, sets the volume level to "VOL MIN," and starts recording when the on-time comes (the ◕ indicator flashes while the timer is operating). Then, when the off-time comes, the unit automatically turns off (stands by).
Recording Timer works only once, but the timer setting remains in memory until you change it.

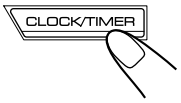
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step ***2*** again.
- If you have made a mistake while setting the timer, press CANCEL/DEMO. (However, this does not always work. If CANCEL/DEMO does not work, press CLOCK/TIMER repeatedly and start from step ***2*** again.)

Before you start...
Make sure to preset a station you want to record. (See page 12.)

On the unit ONLY:

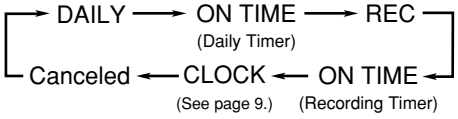
1 Put a recordable cassette into deck B.

2 Press CLOCK/TIMER repeatedly until "REC" appears on the display.

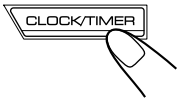


◕ indicator lights up and the REC (recording timer) indicator starts flashing on the display.

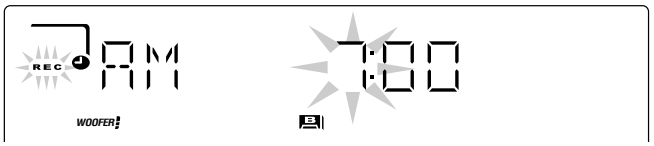
- Each time you press the button, the clock/timer setting modes change as follows:



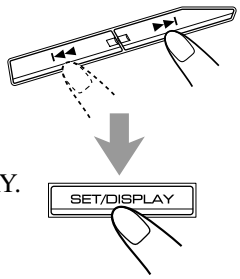
3 Press CLOCK/TIMER again.



"ON TIME" appears for 2 seconds, then the unit enters on-time setting mode.

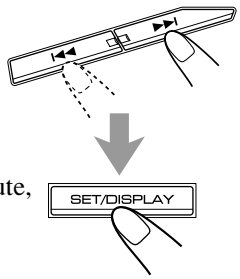


4 Set the on-time you want the unit to turn on.



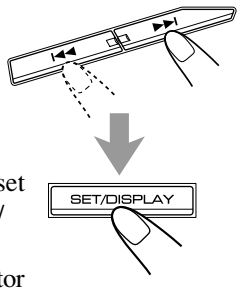
1) Press ►►I or I◄◄ to set the hour, then press SET/DISPLAY.
2) Press ►►I or I◄◄ to set the minute, then press SET/DISPLAY.
"OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.

5 Set the off-time you want the unit to turn off (on standby).



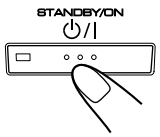
1) Press ►►I or I◄◄ to set the hour, then press SET/DISPLAY.
2) Press ►►I or I◄◄ to set the minute, then press SET/DISPLAY.
The unit enters preset station selecting mode.

6 Select the preset station.



1) Press ►►I or I◄◄ to select the band ("TUNER FM" or "TUNER AM"), then press SET/DISPLAY.
2) Press ►►I or I◄◄ to select a preset channel number, then press SET/DISPLAY.
The REC (recording timer) indicator stops flashing and remains lit. The settings you have done are shown on the display in sequence for your confirmation.

7 Press ⏻/I STANDBY/ON to turn off the unit (on standby) if necessary.



About the recording source

If you change the source while recording, the recording source also changes.

To turn on or off Recording Timer after its setting is done

1 **Press CLOCK/TIMER repeatedly until "REC" appears on the display.**

2 **To turn off the Recording Timer, press CANCEL/DEMO.**

The REC (recording timer) indicator goes off from the display ("OFF" appears for a while). The Recording Timer is canceled, but the setting for the Recording Timer remains in memory until you change it.

To turn on the Recording Timer, press SET/DISPLAY.

The REC (recording timer) indicator lights up on the display. The settings you have done are shown on the display in sequence for your confirmation.

Using Sleep Timer

With Sleep Timer, you can fall asleep to music.
You can set Sleep Timer when the unit is turned on.

How Sleep Timer actually works

The unit automatically turns off after the specified time length passes.

On the remote control ONLY:

1 Press SLEEP.

The time length until the shut-off time appears and the SLEEP indicator starts flashing on the display.

- Each time you press the button, the time length changes as follows:

SLEEP10 → SLEEP20 → SLEEP30 → SLEEP60 → SLEEP90 → SLEEP120 → OFF (Canceled) → SLEEP10

2 Wait for about 3 seconds after specifying the time length.

The SLEEP indicator stops flashing and remains lit.

To check the remaining time until the shut-off time, press SLEEP once so that the remaining time until the shut-off time appears for about 3 seconds.

To change the shut-off time, press SLEEP repeatedly until the desired time length appears on the display.

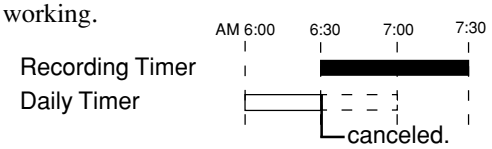
To cancel the setting, press SLEEP repeatedly until "OFF" appears on the display so that the SLEEP indicator goes off from the display.

- Sleep Timer is also canceled when you turn off the unit.

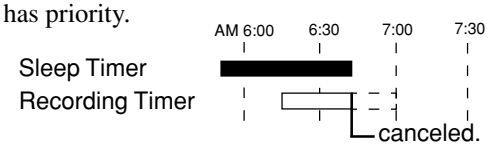
Timer Priority

Since each timer can be set separately, you may wonder what happens if the setting for these timers overlaps.
Here are some examples.

- **Recording Timer has priority over Daily Timer.**
If Recording Timer is set to come on while Daily Timer is operating, Daily Timer is canceled and Recording Timer start working.



- If Sleep Timer overlaps with another timer (either Daily Timer or Recording Timer), a timer with the earlier shut-off time has priority.



When using the Recording Timer and Sleep Timer at the same time, pay special attention to the shut-off time.

Maintenance

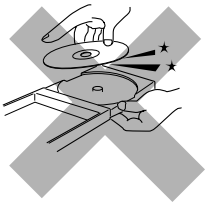
To get the best performance of the unit, keep your discs, tapes, and mechanism clean.

Cleaning the unit

- **Stains on the unit**
  Should be wiped off with a soft cloth. If the unit is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
- **Avoid the following since they may cause damage to the unit.**
  - DO NOT wipe it with a hard cloth.
  - DO NOT wipe it strong.
  - DO NOT wipe it with thinner or benzine.
  - DO NOT apply any volatile substance such as insecticides to it.
  - DO NOT allow any rubber or plastic to remain in contact with it for a long time.

Handling discs

- Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
- Do not touch the shiny surface of the disc, or bend the disc.
- Put the disc back in its case after use to prevent warping.

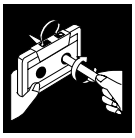


- Be careful not to scratch the surface of the disc when placing it back in its case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

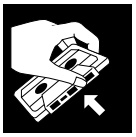
To clean the disc
Wipe the disc with a soft cloth in a straight line from center to edge.

> STOP! DO NOT use any solvent—such as conventional record cleaner, spray, thinner, or benzine—to clean the disc.

Handling cassette tapes



- If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotating.
- If the tape is loose, it may get stretched, cut, or caught in the cassette.



- Be careful not to touch the tape surface.

- Avoid the following places to store the tape:
  — In dusty places
  — In direct sunlight or heat
  — In moist areas
  — Near a magnet

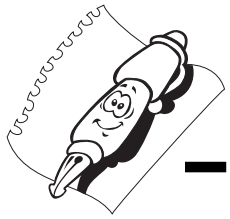
Troubleshooting

If you are having a problem with your unit, check this list for a possible solution before calling for service.
If you cannot solve the problem from the hints given here, or the unit has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Cause	Action
Unable to cancel the display demonstration.	Other buttons are pressed to cancel the display demonstration.	Press CANCEL/DEMO on the unit. (See page 8.)
No sound is heard.	Connections are incorrect or loose.	Check all connections and make corrections. (See pages 6 to 8.)
Hard to listen to broadcasts because of noise.	• Antennas are disconnected. • The AM loop antenna is too close to the unit. • The FM antenna is not properly extended and positioned.	• Reconnect the antennas correctly and securely. • Change the position and direction of the AM loop antenna. • Extend the FM antenna at the best position.
The disc sound is discontinuous.	The disc is scratched or dirty.	Clean or replace the disc. (See page 26.)
The carrousel does not open or close.	• The AC power cord is not plugged in. • The carrousel is locked.	• Plug the AC power cord. • Unlock the carrousel. (See page 19.)
The disc does not play.	The disc is placed upside down.	Place the disc with the label side up.
The MP3 disc does not play.	• No MP3 files are recorded on the disc. • MP3 files do not have the file extension—.MP3, .Mp3, .mP3, or .mp3 in their file names. • MP3 files are not recorded in the format compliant with ISO 9660 Level 1 or Level 2.	Replace the disc.
The readout time of the MP3 disc is too long.	The readout time varies with the complexity of the recording configuration.	Do not use too many hierarchies and folders when recording. Also, do not record any other types of audio tracks together with MP3 files. (See page 13.)
The cassette holders cannot be opened.	Power supply from the AC power cord has been cut off while the tape was running.	Turn on the unit.
Impossible to record.	Small tabs on the back of the cassette are removed.	Cover the holes with adhesive tape.
Operations are disabled.	The built-in microprocessor may malfunction due to external electrical interference.	Unplug the AC power cord and then plug it back in.
Unable to operate the unit from the remote control.	• The path between the remote control and the remote sensor on the unit is blocked. • The batteries are exhausted.	• Remove the obstruction. • Replace the batteries.

Specifications

Design and specifications are subject to change without notice.



Amplifier section—CA-MXGB6

Output Power

SUBWOOFERS : 170 W per channel, min. RMS, driven into 6 Ω at 63 Hz with no more than 10% total harmonic distortion.

MAIN SPEAKERS: 80 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion.

Audio input sensitivity/Impedance
(at 1 kHz, measured at MAIN SPEAKERS)
AUX : 400 mV/50 kΩ

Speakers/Impedance : Subwoofers : 6 Ω – 16 Ω
Main speakers : 4 Ω – 8 Ω

Tuner

FM tuning range : 87.50 MHz – 108.00 MHz
AM tuning range: 530 kHz – 1 710 kHz

CD player

CD Capacity : 3 CDs
Dynamic range : 85 dB
Signal-to-noise ratio : 85 dB

Cassette deck

Frequency response
Normal (type I): 50 Hz — 14 000 Hz
Wow and flutter : 0.15% (WRMS)

General

Power requirement : AC 120 V~, 60 Hz
Power consumption : 230 W (at operation)
23.8 W (on standby)
Dimensions (approx.): 270 mm x 317 mm x 480 mm (W/H/D)
(10 11/16 in. x 12 1/2 in. x 18 15/16 in.)
Mass (approx.) : 10.5 kg (23.2 lbs)

Supplied accessories

See page 6.

Speaker section—SP-MXGB6

Type : 3-way bass-reflex type
Speaker units : Subwoofer : 20 cm (7 7/8 in.) cone x1
Main Woofer : 12 cm (4 3/4 in.) cone x1
Tweeter : 5 cm (2 in.) cone x1
Power handling capacity : Subwoofer : 170 W
Main speaker : 80 W
Impedance : Subwoofer : 6 Ω
Main speaker : 4 Ω
Frequency range : Subwoofer : 25 Hz — 100 Hz
Main speaker : 100 Hz — 20 000 Hz
Sound pressure level : Subwoofer : 75 dB/W•m
Main speaker : 82 dB/W•m
Dimensions (approx.) : 233 mm x 456 mm x 360 mm (W/H/D)
(9 3/16 in. x 18 in. x 14 3/16 in.)
Mass (approx.) : 6.6 kg (14.6 lbs) each

Amplifier section—CA-MXGB5

Output Power

SUBWOOFERS : 160 W per channel, min. RMS, driven into 6 Ω at 63 Hz with no more than 10% total harmonic distortion.

MAIN SPEAKERS: 70 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion.

Audio input sensitivity/Impedance
(at 1 kHz, measured at MAIN SPEAKERS)
AUX : 400 mV/50 kΩ

Speakers/Impedance : Subwoofers : 6 Ω – 16 Ω
Main speakers : 4 Ω – 8 Ω

Tuner

FM tuning range : 87.50 MHz – 108.00 MHz
AM tuning range: 530 kHz – 1 710 kHz

CD player

CD Capacity : 3 CDs
Dynamic range : 85 dB
Signal-to-noise ratio : 85 dB

Cassette deck

Frequency response
Normal (type I): 50 Hz — 14 000 Hz
Wow and flutter : 0.15% (WRMS)

General

Power requirement : AC 120 V~, 60 Hz
Power consumption : 220 W (at operation)
23.3 W (on standby)
Dimensions (approx.): 270 mm x 317 mm x 480 mm (W/H/D)
(10 11/16 in. x 12 1/2 in. x 18 15/16 in.)
Mass (approx.) : 10 kg (22.1 lbs)

Supplied accessories

See page 6.

Speaker section—SP-MXGB5

Type : 4-way bass-reflex type
Speaker units : Subwoofer : 16 cm (6 5/16 in.) cone x1
Main Woofer : 16 cm (6 5/16 in.) cone x1
Midrange : 5 cm (2 in.) cone x1
Tweeter : 2 cm (13/16 in.) dome x1
Power handling capacity : Subwoofer : 160 W
Main speaker : 70 W
Impedance : Subwoofer : 6 Ω
Main speaker: 4 Ω
Frequency range : Subwoofer : 25 Hz — 90 Hz
Main speaker : 90 Hz — 20 000 Hz
Sound pressure level : Subwoofer : 75 dB/W•m
Main speaker : 86 dB/W•m
Dimensions (approx.) : 302.5 mm x 325.5 mm x 345 mm (W/H/D)
(11 15/16 in. x 12 7/8 in. x 13 5/8 in.)
Mass (approx.) : 6.6 kg (14.6 lbs) each

JVC

LIMITED WARRANTY

AUDIO-1

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original retail purchase for the period as shown below. ("The Warranty Period")

PARTS	LABOR
1 YR	**1 YR**

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:
If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE:
Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800) 537-5722.

If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

WHAT IS NOT COVERED:
This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model number or serial number has been altered, tampered with, defaced or removed;
2. Initial installation and installation and removal for repair;
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;
7. Accessories
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.
1700 Valley Road
Wayne, NJ 07470

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:

Enter below the Model No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. : _____ Serial No. : _____

Purchase data : _____ Name of dealer : _____

Authorized Service Centers

QUALITY JVC® SERVICE

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE: 1 (800) 537-5722

http://www.jvc.com

Dear Customer,
In order to receive the most satisfaction from your purchase,please read the instruction booklet before operating the unit.In the event that repairs are necessary, please call 1 (800)537-5722 for your nearest authorized servicer or visit our website at **www.JVC.com**
Remember to retain your Bill of Sale for Warranty Service.

Do not service the television yourself

Caution
To prevent electrical shock,do not open the cabinet.There are no user serviceable parts inside.Please refer to qualified service personnel for repairs.

Accessories
To purchase accessories for your JVC product,please call toll free:1 (800)882-2345 or on the web at **www.JVC.com**

BT-51001-5
(0301)

MX-GB6/MX-GB5

COMPACT COMPONENT SYSTEM

JVC

VICTOR COMPANY OF JAPAN, LIMITED

EN

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0104TMMMDWSAM

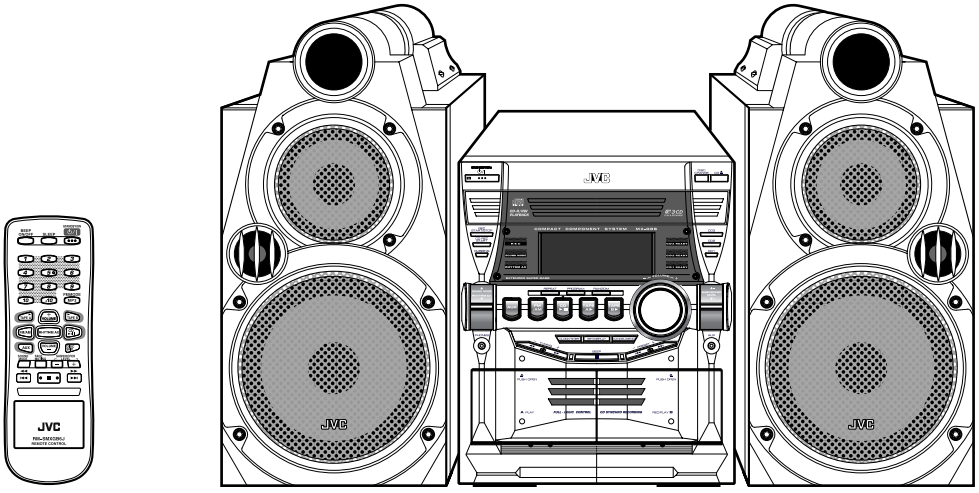
JVC

English

Français

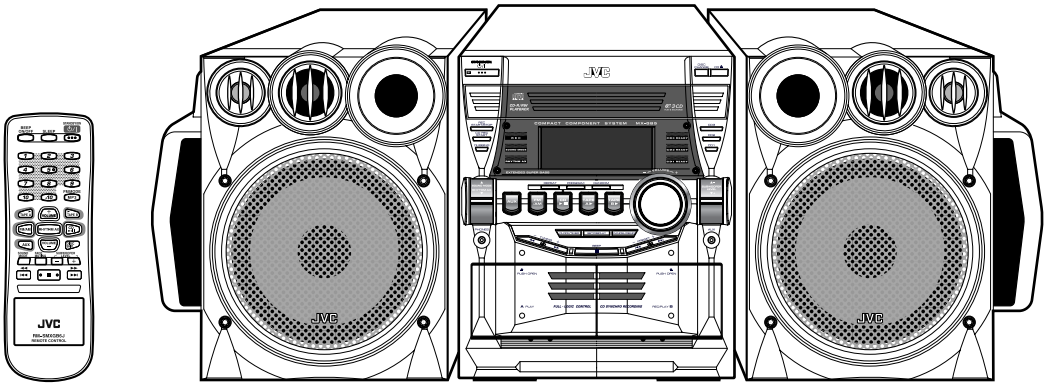
COMPACT COMPONENT SYSTEM
SYSTEME DE COMPOSANTS COMPACT

MX-GB6 —Consists of CA-MXGB6 and SP-MXGB6
—Composé du CA-MXGB6 et SP-MXGB6
MX-GB5 —Consists of CA-MXGB5 and SP-MXGB5
—Composé du CA-MXGB5 et SP-MXGB5



SP-MXGB6 CA-MXGB6 SP-MXGB6

COMPACT disc DIGITAL AUDIO



SP-MXGB5 CA-MXGB5 SP-MXGB5

COMPACT disc DIGITAL AUDIO

INSTRUCTIONS

MANUEL D'INSTRUCTIONS

For Customer Use:

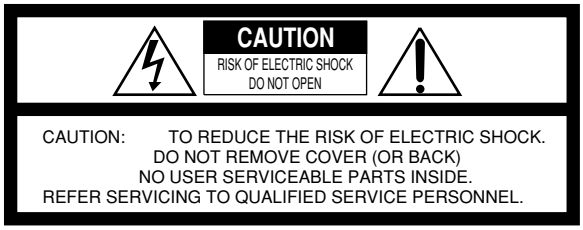
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

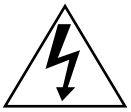
Model No. _____

Serial No. _____

LVT1188-002B
[C]

Warnings, Cautions and Others
Mises en garde, précautions et indications diverses


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK)
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

ATTENTION

Afin d'éviter tout risque d'électrocution, d'incendie, etc.:
1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

Caution — ⏻/I STANDBY/ON switch!
Disconnect the mains plug to shut the power off completely. The ⏻/I STANDBY/ON switch in any position does not disconnect the mains line. The power can be remote controlled.

Attention — Commutateur ⏻/I STANDBY/ON!
Déconnecter la fiche de secteur pour couper complètement le courant. Le commutateur ⏻/I STANDBY/ON ne coupe jamais complètement la ligne de secteur, quelle que soit sa position. Le courant peut être télécommandé.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION**: Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION**: Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

IMPORTANT POUR PRODUITS LASER

1. PRODUIT LASER CLASSE 1
2. **ATTENTION**: N'ouvrez pas le couvercle supérieur. Il n'y a aucune pièce réparable par l'utilisateur à l'intérieur de l'appareil; confiez toute réparation à un personnel qualifié.
3. **ATTENTION**: Risque de radiations laser visible et invisible quand l'appareil est ouvert et que le système de verrouillage ne fonctionne pas ou a été mis hors service. Évitez toute exposition directe au rayon.
4. REPRODUCTION DE L'ÉTIQUETTE: ÉTIQUETTE DE PRÉCAUTION PLACÉE À L'INTERIEUR DE L'APPAREIL.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED AVOID EXPOSURE TO BEAM
ADVARSAL : USYNLIG LASERSTRALING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSATTELSE FOR STRÅLING
VARO : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NAKYMATTÖ MALLELASERSATEILYLLE ÄLÄ KATSO SATEESEEN!
VARNING : OSYNLIG LASERSTRÅLNING NAR DENNA DEL AR OPPNAD OCH SPARREN AR URKOPPLAD BETRAKTA EJ STRÅLEN!

For Canada/pour le Canada

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQUAU FOND.

For Canada/pour le Canada

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED "DIGITAL APPARATUS," ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS.

CET APPAREIL NUMERIQUE RESPECTE LES LIMITES DE BRUITS RADIOELECTRIQUES APPLICABLES AUX APPAREILS NUMIRIQUES DE CLASSE B PRESCRITES DANS LA NORME SUR LE MATERIEL BROUILLEUR: "APPAREILS NUMERIQUES", NMB-003 EDICTEE PAR LE MINISTRE DES COMMUNICATIONS.

Caution: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

1 Front:
No obstructions and open spacing.

2 Sides/ Top/ Back:
No obstructions should be placed in the areas shown by the dimensions below.

3 Bottom:
Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

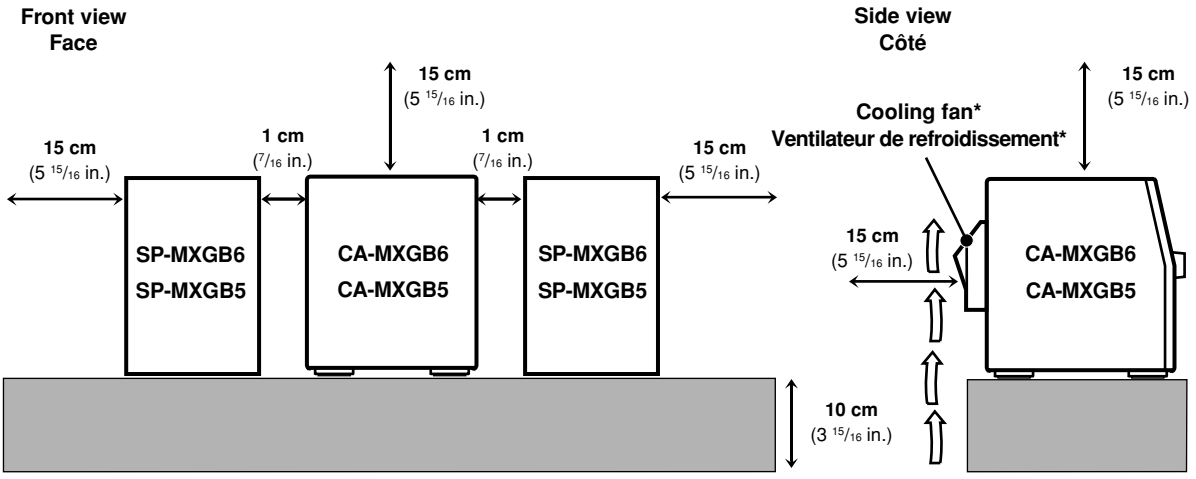
Attention: Aération correcte

Pour prévenir tout risque de décharge électrique ou d'incendie et éviter toute détérioration, installez l'appareil de la manière suivante:

1 Avant:
Bien dégagé de tout objet.

2 Côtés/dessus/dessous:
Assurez-vous que rien ne bloque les espaces indiqués sur le schéma ci-dessous.

3 Dessous:
Posez l'appareil sur une surface plane et horizontale. Veillez à ce que sa ventilation correcte puisse se faire en le plaçant sur un support d'au moins dix centimètres de hauteur.



*** About the cooling fan**

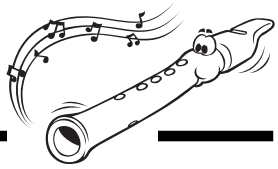
A cooling fan is mounted on the rear panel of the unit to prevent abnormal temperature inside the unit, thus assuring normal operation of the unit. The cooling fan automatically starts rotating to intake external cool air when the volume is increased up to more than a certain level.

*** À propos du ventilateur de refroidissement**

Un ventilateur de refroidissement se trouve sur le panneau arrière de l'appareil afin d'éviter la création d'une température anormale à l'intérieur de l'appareil et permettre ainsi un fonctionnement normal de l'appareil. Le ventilateur de refroidissement commence à tourner et à aspirer de l'air frais automatiquement quand le volume est augmenté au-dessus d'un certain niveau.

English

Introduction



We would like to thank you for purchasing one of our JVC products. Before operating this unit, read this manual carefully and thoroughly to obtain the best possible performance from your unit, and retain this manual for future reference.

About This Manual

This manual is organized as follows:

- **The manual mainly explains operations using the buttons and controls on the unit. You can also use the buttons on the remote control if they have the same or similar names (or marks) as those on the unit. If operation using the remote control is different from that using the unit, it is then explained.**
- Basic and common information that is the same for many functions is grouped in one place, and is not repeated in each procedure. For instance, we do not repeat the information about turning on/off the unit, setting the volume, changing the sound effects, and others, which are explained in the section "Common Operations" on pages 9 to 11.
- The following marks are used in this manual:

Gives you warnings and cautions to prevent damage or risk of fire/electric shock. Also gives you information which is not good for obtaining the best possible performance from the unit.

Gives you information and hints you had better know.

Precautions

Installation

- Do not grasp the control knobs when moving or carrying the unit.
- Install in a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
- Install the unit in a location with adequate ventilation to prevent internal heat built-up in the unit.
- Leave sufficient distance between the unit and the TV.
- Keep the speakers away from the TV to avoid interference with TV.

DO NOT install the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

Power sources

- When unplugging from the wall outlet, always pull the plug, not the AC power cord.

DO NOT handle the AC power cord with wet hands.

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting heating in the room
- In a damp room
- If the unit is brought directly from a cold to a warm place

Should this occur, the unit may malfunction. In this case, leave the unit turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.

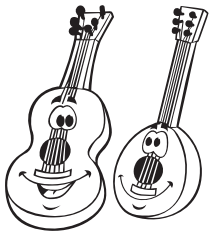
Others

- Should any metallic object or liquid fall into the unit, unplug the unit and consult your dealer before operating any further.
- If you are not going to operate the unit for an extended period of time, unplug the AC power cord from the wall outlet.

DO NOT disassemble the unit since there are no user serviceable parts inside.

If anything goes wrong, unplug the AC power cord and consult your dealer.

Contents



English

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Playing Back a Tape 20

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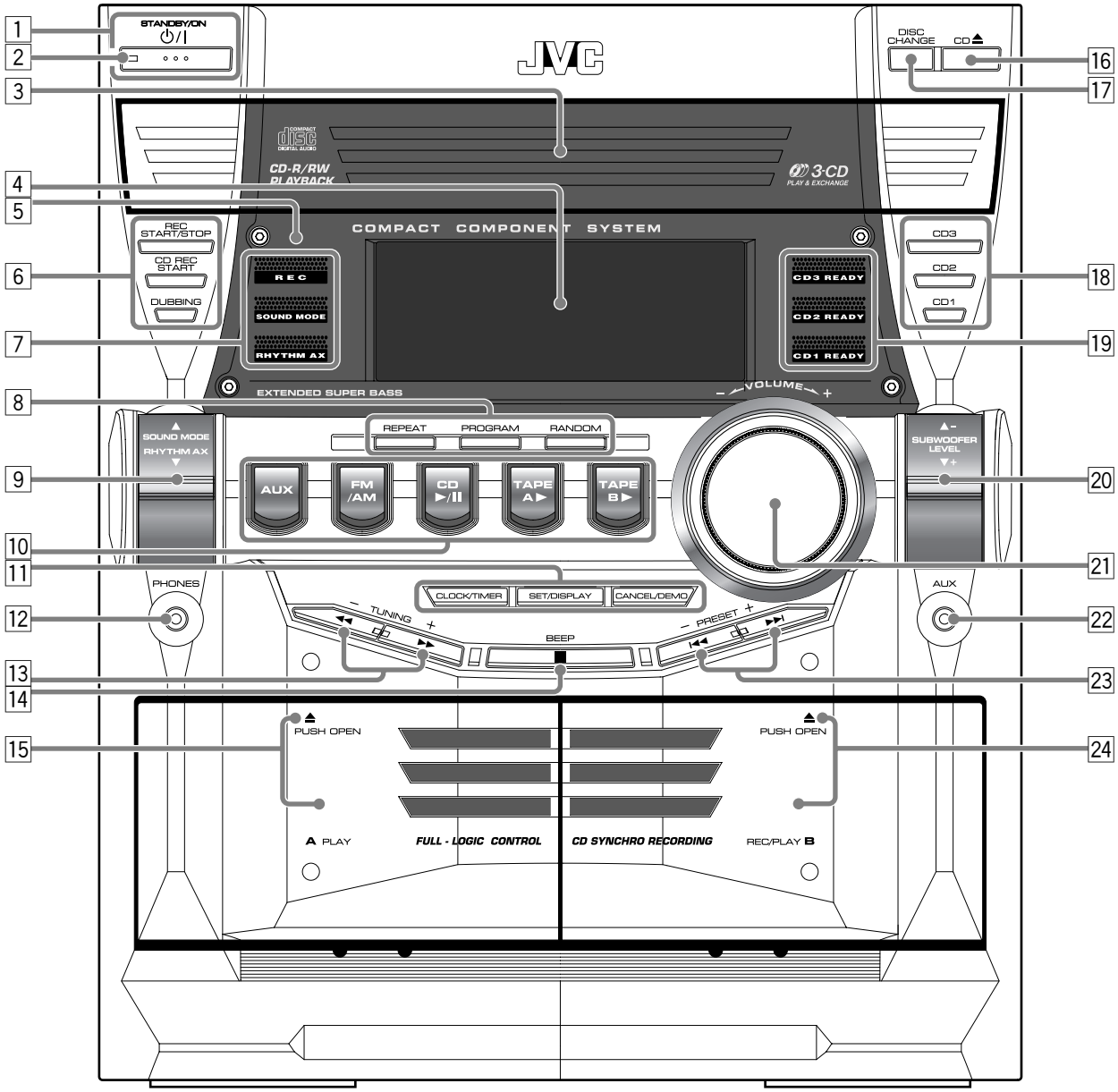
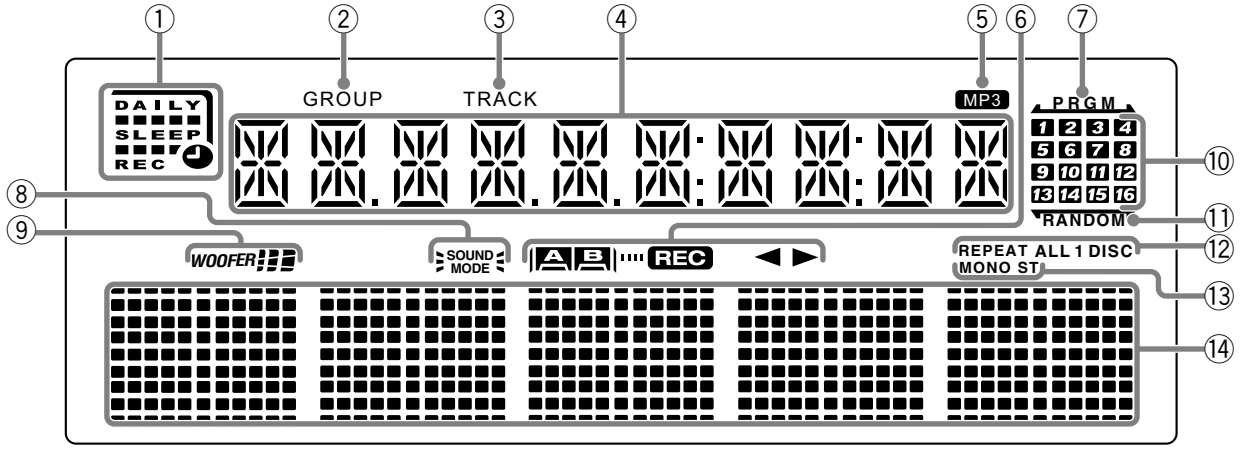
Location of the Buttons and Controls

Become familiar with the buttons and controls on your unit.

Front Panel



Display Window



See pages in the parentheses for details.

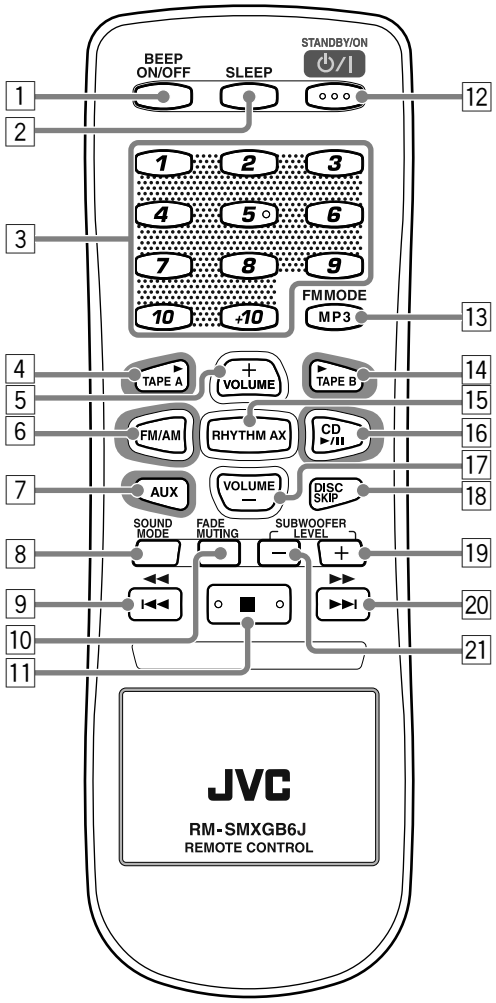
Front Panel

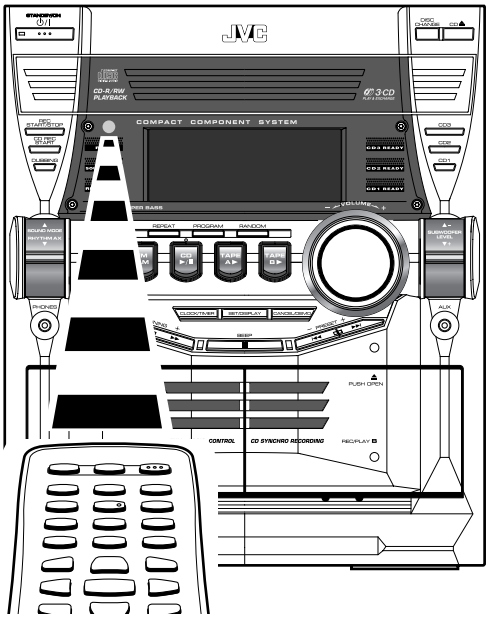
1 ⏻/I STANDBY/ON button (9, 24, 25)
2 Standby lamp (9)
3 Carrousel
4 Display window
5 Remote sensor (5)
6 REC START/STOP button (21)
CD REC START button (22)
DUBBING button (22)
7 REC lamp (21, 22)
SOUND MODE lamp (11)
RHYTHM AX lamp (10)
8 REPEAT button (13, 15, 19)
PROGRAM (MP3 Resume on/off) button (17, 18)
RANDOM button (19)
9 SOUND MODE control (11)
RHYTHM AX control (10)
10 AUX button (9)
FM/AM button (9, 12)
CD ►/II (play/pause) button (9, 13 – 15, 18)
TAPE A ► (play) button (9, 20, 22)
TAPE B ► (play) button (9, 20, 22)
Pressing one of these buttons also turns on the unit.
11 CLOCK/TIMER button (9, 23 – 25)
SET/DISPLAY button (9, 12, 18, 23 – 25)
CANCEL/DEMO button (8, 9, 18, 24, 25)
12 PHONES jack (10)
13 TUNING +/– buttons (12)
►► / ◄◄ (fast forward/fast rewind) buttons (15, 20)
14 ■ (stop) button (13 – 15, 18 – 22)
BEEP button (11)
15 Deck A cassette holder (20, 22)
Pressing the ▲ (open/close) *portion opens the holder.*
16 CD ▲ (Carrousel open/close) button (13 – 15, 17 – 19)
Pressing this button also turns on the unit.
17 DISC CHANGE button (13, 15)
18 Disc number buttons (CD1, CD2, and CD3) (14, 15, 18, 19, 22)
Pressing one of these buttons also turns on the unit.
19 CD READY lamps (CD1, CD2, and CD3) (14)
20 SUBWOOFER LEVEL +/– control (10)
21 VOLUME control (10)
22 AUX jack (8)
23 PRESET +/– buttons (12)
►►I / I◄◄ (forward search/reverse search) buttons (9, 15 – 19, 23 – 25)
24 Deck B cassette holder (20 – 22, 24)
Pressing the ▲ (open/close) *portion opens the holder.*

Display Window

① Timer indicators
• DAILY (daily timer), SLEEP (sleep timer), REC (recording timer), and ◕ (timer) indicators
② GROUP indicator
③ TRACK indicator
④ Main display
• Shows the source name, frequency, etc.
⑤ MP3 indicator
⑥ Tape operation indicators
• A/B (operating deck), REC (recording), and ◄ ► (tape running) indicators
⑦ PRGM (program) indicator
⑧ SOUND MODE indicator
⑨ WOOFER indicator
⑩ CD track number indicators
⑪ RANDOM indicator
⑫ REPEAT mode indicators
• REPEAT, 1, 1 DISC, ALL DISC indicators
⑬ Tuner operation indicators
• MONO and ST (stereo) indicators
⑭ Volume level, Subwoofer level and Sound Mode pattern indicators

Remote Control





When using the remote control, point it at the remote sensor on the front panel.

Remote Control

1 BEEP ON/OFF button (11)
2 SLEEP button (25)
3 Number buttons (12, 16)
4 TAPE A ► (play) button (9, 20)
Pressing this button also turns on the unit.
5 VOLUME + button (10)
6 FM/AM button (9, 12)
Pressing this button also turns on the unit.
7 AUX button (9)
Pressing this button also turns on the unit.
8 SOUND MODE button (11)
9 I◄◄/◄◄ (reverse search/fast rewind) button (12, 15 – 17, 19, 20)
10 FADE MUTING button (10)
11 ■ (stop) button (13 – 15, 18 – 22)
12 ⏻/I STANDBY/ON button (9)
13 FM MODE button (12)
MP3 button (17)
14 TAPE B ► (play) button (9, 20)
Pressing this button also turns on the unit.
15 RHYTHM AX button (10)
16 CD ►/II (play/pause) button (9, 13 – 15, 18)
Pressing this button also turns on the unit.
17 VOLUME – button (10)
18 DISC SKIP button (13, 15)
19 SUBWOOFER LEVEL + button (10)
20 ►►I/►► (forward search/fast forward) button (12, 15 – 17, 19, 20)
21 SUBWOOFER LEVEL – button (10)

Getting Started

Continued

Unpacking

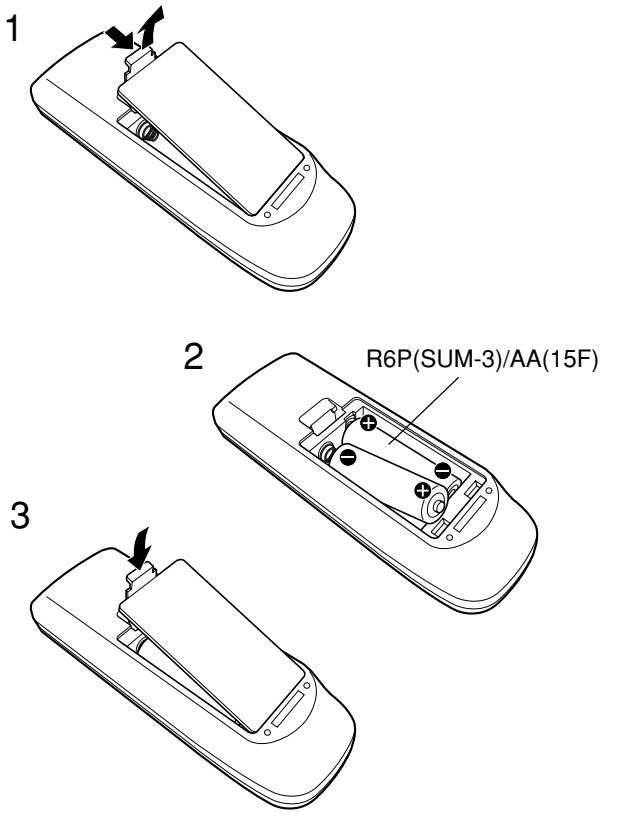
After unpacking, check to be sure that you have all the following items.
The number in the parentheses indicates the quantity of the pieces supplied.

- AM loop antenna (1)
- FM antenna (1)
- Remote control (1)
- Batteries (2)

If any is missing, consult your dealer immediately.

Putting the Batteries into the Remote Control

Insert the batteries—R6P(SUM-3)/AA(15F)—into the remote control, by matching the polarity (+ and –) on the batteries with the + and – markings on the battery compartment.
When the remote control can no longer operate the unit, replace both batteries at the same time.

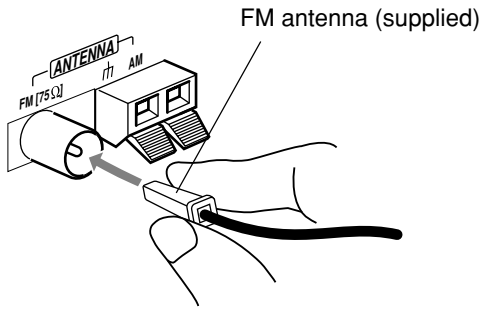


STOP!

- DO NOT use an old battery together with a new one.
- DO NOT use different types of batteries together.
- DO NOT expose batteries to heat or flame.
- DO NOT leave the batteries in the battery compartment when you are not going to use the remote control for an extended period of time. Otherwise, it will be damaged from battery leakage.

Connecting Antennas

FM antenna



1 **Attach the FM antenna to the FM [75 Ω] coaxial terminal.**

2 **Extend the FM antenna.**

3 **Fasten it up in the position which gives you the best reception, then fix it on the wall, etc.**

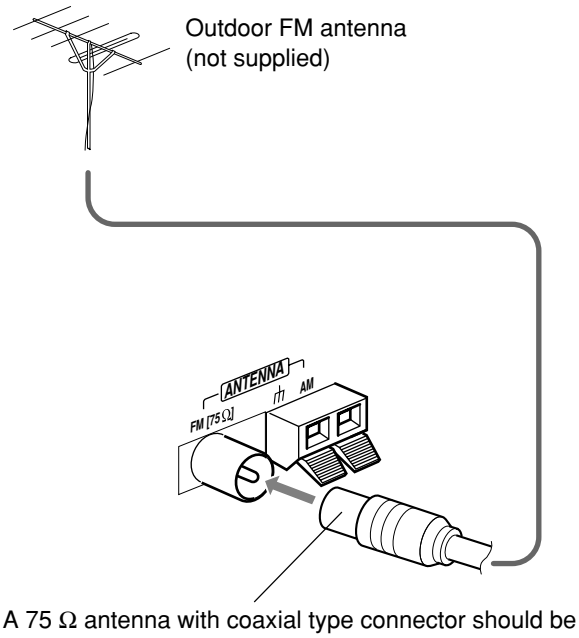
notes

About the supplied FM antenna

The FM antenna supplied with this unit can be used as temporary measure. If reception is poor, you can connect an outdoor FM antenna.

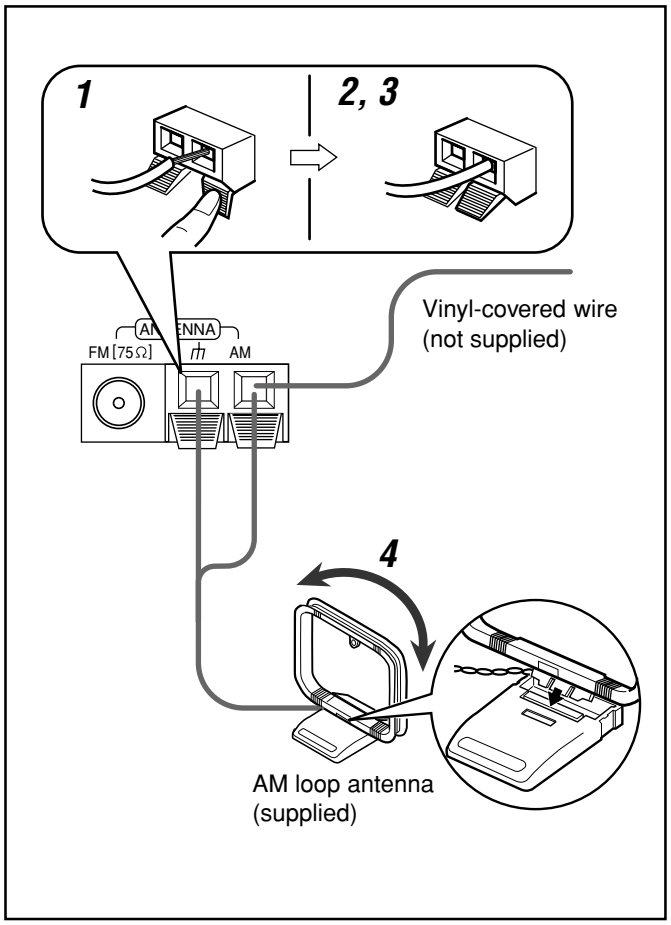
To connect an outdoor FM antenna

Before connecting it, disconnect the supplied FM antenna.



A 75 Ω antenna with coaxial type connector should be used.

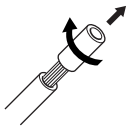
AM antenna



1 Press and hold the clamp of the AM terminal on the rear of the unit.

2 Insert the end of the AM loop antenna cord into the terminal.

- If the AM loop antenna wire is covered with vinyl, remove the vinyl by twisting it as shown in the diagram.



3 Release the finger from the clamp.

4 Turn the AM loop antenna until you have the best reception.

To connect an outdoor AM antenna

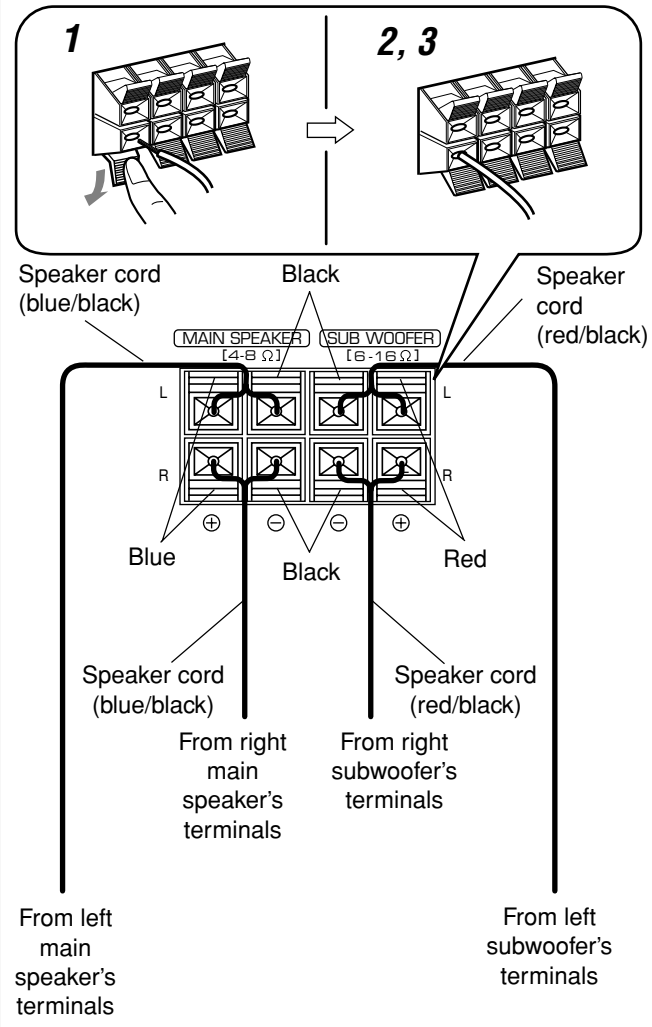
When reception is poor, connect a single vinyl-covered wire to the AM terminal and extend it horizontally. (The AM loop antenna must remain connected.)

For better reception of both FM and AM

- Make sure the antenna conductors do not touch any other terminals and connecting cords.
- Keep the antennas away from metallic parts of the unit, connecting cords, and the AC power cord.

Connecting Speakers

For MX-GB6:
DO NOT carry the speaker by holding the tube duct (on the top of the speaker).

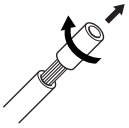


1 Press and hold the clamp of the speaker terminal on the rear of the unit.

2 Insert the end of the speaker cord into the terminal.

Match the colors (polarity): Blue (+) to blue (+) and black (–) to black (–); red (+) to red (+) and black (–) to black (–).

- If the wire is covered with vinyl, remove the vinyl by twisting it as shown in the diagram.



3 Release the finger from the clamp.

IMPORTANT:

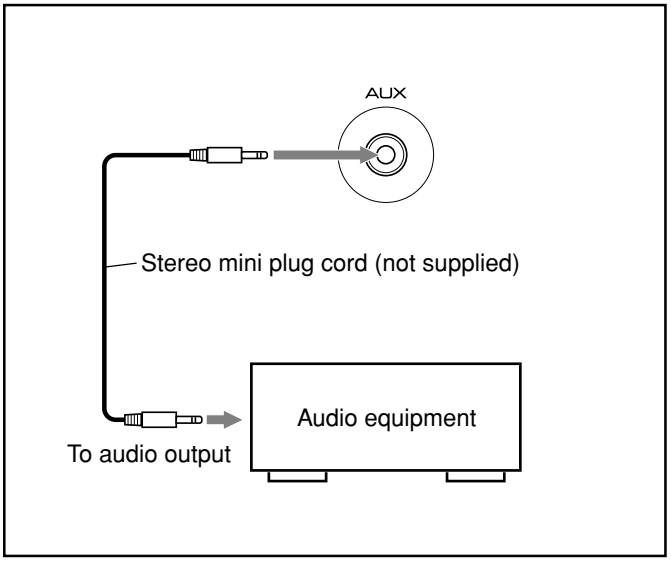
- Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the unit.
- DO NOT connect more than one speaker to one speaker terminal.

Connecting Other Equipment

You can connect audio equipment—used only as a playback device.

- DO NOT connect any equipment while the power is on.
- DO NOT plug in any equipment until all connections are complete.

To connect audio equipment



For playing the other equipment through this unit, connect between the audio output jack on the other equipment and AUX jack on the front of the unit by using a stereo mini plug cord (not supplied).

If the audio output on the other equipment is not stereo mini plug type

Use a plug adapter to convert the stereo mini plug to the corresponding plug of the audio output.

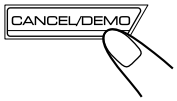
NOW you are ready to plug in the unit and other connected equipment.

Canceling the Display Demonstration

When connecting the AC power cord into a wall outlet, the unit automatically starts the display demonstration.

On the unit ONLY:

To cancel the display demonstration, press CANCEL/DEMO while the display demonstration is shown on the display.

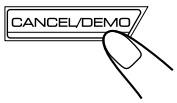


When you press other buttons

The display demonstration stops temporarily. It will start automatically again (if no operation is done for 2 minutes) until you cancel it.

To start the display demonstration manually

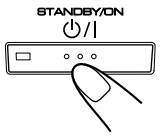
Press and hold CANCEL/DEMO again for more than 2 seconds.



Common Operations

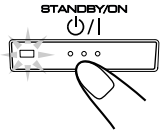
Turning On or Off the Power

To turn on the unit, press ⏻/I STANDBY/ON so that the standby lamp goes off.



POWER ON

To turn off the unit (on standby), press ⏻/I STANDBY/ON again so that the standby lamp lights up.



A little power is always consumed even while the unit is on standby.

To switch off the power supply completely, unplug the AC power cord from the AC outlet.

When you unplug the AC power cord or if a power failure occurs

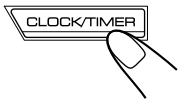
The clock is reset to "– – : – –" soon, while the tuner preset stations (see page 12) will be erased in a few days.

Setting the Clock

Before operating the unit any further, first set the clock built in this unit. You can set the clock whether the unit is on or off.

On the unit ONLY:

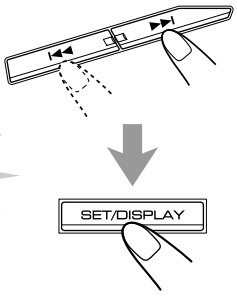
1 Press CLOCK/TIMER.



AM 12:00

The hour digits start flashing on the display.

2 Press ►►I or I◄◄ to adjust the hour, then press SET/DISPLAY.

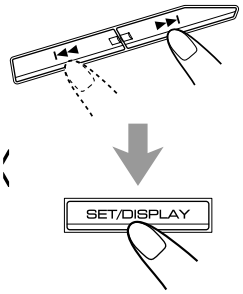


AM 7:00

The minute digits start flashing on the display.

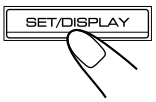
- If you want to correct the hour after pressing SET/DISPLAY, press CANCEL/DEMO. The hour digits start flashing again.

3 Press ►►I or I◄◄ to adjust the minute, then press SET/DISPLAY.



CLOCK OK

To check the clock time



Press and hold SET/DISPLAY for more than 2 seconds while playing any source.

- To return to the source indication, press SET/DISPLAY.

While the time indication appears on the display

If you press a button or turn a control, the time indication returns to the source indication.

To adjust the clock again

If you have adjusted the clock before, you need to press CLOCK/TIMER repeatedly until "CLOCK" is selected.

- Each time you press the button, the clock/timer setting modes change as follows:

DAILY → ON TIME (Daily Timer) → REC → ON TIME (Recording Timer) → CLOCK → Canceled → DAILY

If there is a power failure

The clock loses the setting and is reset to "– – : – –." You need to set the clock again.

Selecting the Sources

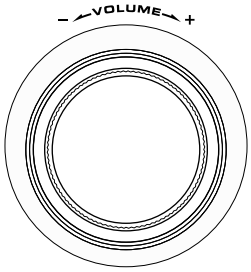
To listen to the radio, press FM/AM. (See page 12.)
To play back CDs, press CD ►/II. (See pages 13 – 19.)
To play back tapes, press TAPE A ► or TAPE B ►. (See page 20.)
To select the external equipment as the source, press AUX.

When you press the play button for a particular source (AUX, FM/AM, CD ►/II, TAPE A ►, and TAPE B ►), the unit turns on (and the unit starts playing the source if it is ready—COMPU PLAY CONTROL).

Adjusting the Volume

You can adjust the volume level only while the unit is turned on.
This function only affects the playback sound, not your recording.

Turn the VOLUME control clockwise to increase the volume or counterclockwise to decrease it.



- The volume level can be adjusted in 32 steps (VOL MIN, VOL 1 — VOL 30, and VOL MAX).

When using the remote control, press VOLUME + to increase the volume or press VOLUME – to decrease it.

For private listening

Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers. Be sure to turn down the volume before connecting or putting on headphones.

> Always set the volume to the minimum before starting any source. If the volume is set to extremely high level, a sudden blast of sound can damage your hearing, speakers and/or headphones.
> - If you have turned off (on standby) the unit with the volume level set at more than level "15," the volume level will be automatically set at level "15" next time you turn on the unit.

To turn down the volume level temporarily

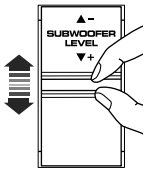
Press FADE MUTING on the remote control. The volume level gradually decreases to "VOL MIN."

To restore the sound, press the button again.

Reinforcing the Bass Sound

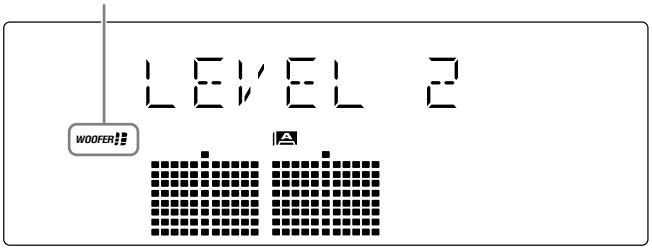
This function only affects the playback sound, not your recording.

Press down the SUBWOOFER LEVEL +/– control to increase the subwoofer sound or up the control to decrease it.



- The subwoofer level can be adjusted in 3 steps (LEVEL 1 — LEVEL 3).
  If you press down the control to increase the level beyond LEVEL 3, "MAX LEVEL" appears on the display.

WOOFER indicator also shows the current subwoofer level.

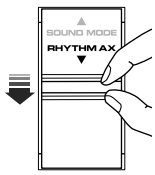


When using the remote control, press SUBWOOFER LEVEL + to increase the subwoofer sound or press SUBWOOFER LEVEL – to decrease it.

Enjoying the Powerful Sound—RHYTHM AX

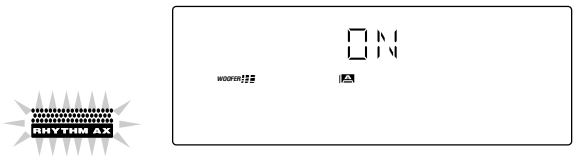
Using RHYTHM AX, harder-hitting beats intensify your listening experience even at low sound levels.
RHYTHM AX also works even when the song has no "beat," such as classical music, so that you can listen to the rich sound even at low sound levels.
This function only affects the playback sound, not your recording.

Press down the RHYTHM AX control.



"RHYTHM AX" (twice), then "ON" appears on the display.

- Each time you press down the control, RHYTHM AX turns on and off alternately.
- The RHYTHM AX lamp also lights up.



When using the remote control, press RHYTHM AX.

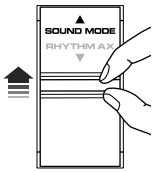
- Each time you press the button, RHYTHM AX turns on and off alternately.

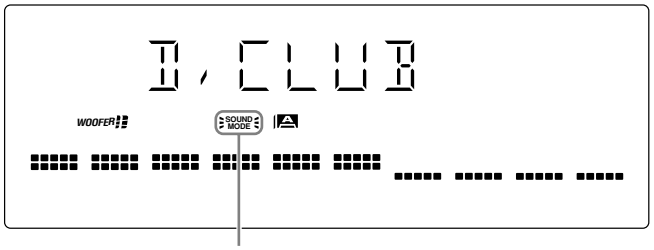
Selecting the Sound Modes

This function only affects the playback sound, not your recording.

You can select one of the 6 preset sound modes (3 surround modes and 3 SEA—Sound Effect Amplifier—modes).

To select the sound modes, press up the SOUND MODE control repeatedly until the sound mode you want appears on the display.
- The SOUND MODE lamp also lights up.





SOUND MODE indicator also lights up on the display

- First time you press up the control, the current sound mode appears on the display.
  Each time you press up the control while a sound mode appears on the display, the sound modes change as follows:

D.CLUB → HALL → STADIUM → ROCK → (Dance CLUB) → OFF (Canceled) ← CLASSIC ← POP ←

Surround modes*:
D.CLUB : Increases resonance and bass.
HALL : Adds depth and brilliance to the sound.
STADIUM: Adds clarity and spreads the sound, like in an outdoor stadium.

SEA (Sound Effect Amplifier) modes:
ROCK : Boosts low and high frequency. Good for acoustic music.
POP : Good for vocal music.
CLASSIC : Good for classical music.

OFF : Cancels the sound mode.

* Surround elements are added to the SEA elements to create being-there feeling in your room.
When one of these modes is selected, the SOUND MODE indicator lights up as SOUND MODE.

While one of the SEA modes (SEA elements without surround elements) is selected, the SOUND MODE indicator lights up as SOUND MODE.

When using the remote control, press SOUND MODE to select the sound mode.

- First time you press the button, the current sound mode appears on the display.
  Each time you press the button while a sound mode appears on the display, the sound modes change as follows:

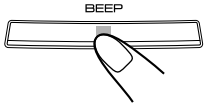
D.CLUB → HALL → STADIUM → ROCK → (Dance CLUB) → OFF (Canceled) ← CLASSIC ← POP ←

Turning On or Off the Key-touch Tone

If you do not want the key-touch tone to beep each time you press a button or turn a control, you can deactivate it.
- You can turn on or off the key-touch tone as follows:
  –When the unit is off:
  You can turn on or off the key-touch tone by operating the unit.
  –When the unit is on:
  You can turn on or off the key-touch tone by operating the unit or the remote control.

On the unit:

Press and hold BEEP for more than 2 seconds.



- Each time you press and hold the button, the key-touch tone turns on and off alternately.

On the remote control:

Press BEEP ON/OFF when the unit is on.

- Each time you press the button, the key-touch tone turns on and off alternately.

Listening to the Radio

English

Tuning in to a Station—Auto Search

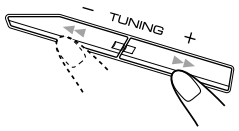
1 Press FM/AM.

The unit automatically turns on and tunes in to the previously tuned station (either FM or AM).
- Each time you press the button, the band alternates between FM and AM.

2 Start searching for stations.

On the unit:

Press and hold TUNING + or TUNING – for more than 1 second.



On the remote control:

Press and hold ►►I/►► or I◄◄/◄◄ for more than 1 second.

The unit starts searching for stations and stops when a station of sufficient signal strength is tuned in to.
If a program is broadcast in stereo, the ST (stereo) indicator lights up.

To stop during searching, press TUNING + or TUNING – (or ►►I/►► or I◄◄/◄◄ on the remote control).

When you press TUNING + or TUNING – (or ►►I/►► or I◄◄/◄◄ on the remote control) briefly and repeatedly

The frequency changes step by step.

To change the FM reception mode

When an FM stereo broadcast is hard to receive or noisy, press FM MODE on the remote control so that "MONO" appears and the MONO indicator also lights up on the display. Reception improves.

To restore the stereo effect, press FM MODE again so that "STEREO" appears on the display.
In this stereo mode, you can hear stereo sounds when a program is broadcast in stereo.

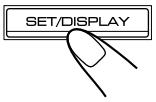
Presetting Stations

You can preset 30 FM and 15 AM stations.
In some cases, test frequencies have been already memorized for the tuner since the factory examined the tuner preset function before shipment. This is not a malfunction. You can preset the stations you want into memory by following the presetting method.
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step ***2*** again.

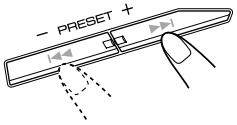
On the unit ONLY:

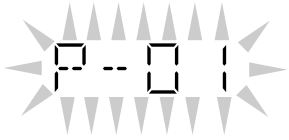
1 Tune in to the station you want to preset (in this example, of FM 87.50).
- See "Tuning in to a Station—Auto Search."

2 Press SET/DISPLAY.

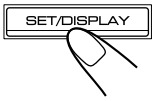


3 Press PRESET + or PRESET – to select a preset number.





4 Press SET/DISPLAY again.



The tuned station in step ***1*** is stored in the preset number selected in step ***3***.
- Storing a new station on a used number erases the previously stored one.

When you unplug the AC power cord or if a power failure occurs

The preset stations will be erased in a few days. If this happens, preset the stations again.

Tuning in to a Preset Station

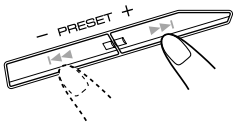
1 Press FM/AM.

The unit automatically turns on and tunes in to the previously tuned station (either FM or AM).
- Each time you press the button, the band alternates between FM and AM.

2 Select a preset number.

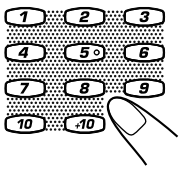
On the unit:

Press PRESET + or PRESET –.



On the remote control:

Press the number buttons.



Ex.: For preset number 5, press 5.
For preset number 15, press +10 then 5.
For preset number 20, press +10, then 10.
For preset number 25, press +10, +10, then 5.
For preset number 30, press +10, +10, then 10.

Playing Back CDs

This unit has been designed to playback the following CDs:
- Audio CD
- CD-R (CD-Recordable)
- CD-RW (CD-ReWritable)
- MP3 disc (MP3 files recorded on a CD-R or CD-RW)*

When playing a CD-R or CD-RW
- User-edited CD-Rs (CD-Recordable) and CD-RWs (CD-ReWritable) can be played back when they are already "finalized."
- Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.

Important notices:
- In general, you will have the best performance by keeping your CDs and the mechanism clean.
  - Store CDs in their cases, and keep them in cabinets or on shelves.
  - Keep the unit's carrousel closed when not in use.
- Continuous use of irregular shaped discs (heart-shape, octagonal, etc.) can damage the disc rotating mechanism.

- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than for regular CDs.

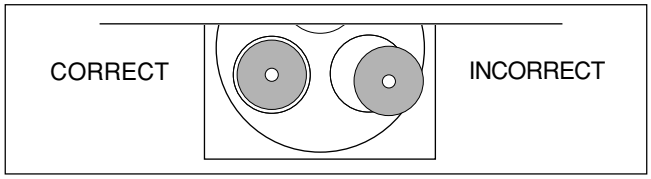
***For MP3 discs**
- This unit manages files and folders on MP3 discs as "tracks" and "albums."
- Playback order of the MP3 files (tracks) recorded on a disc are determined by the writing (or encoding) application; therefore, playback order may be different from the one you have intended while recording the files and the folders.
- This unit shows the file (track) names and the ID3v1/1.1 tags (only "Title" and "Artist") on the display after the file starts play; however, there is a limitation on available characters and some file names and ID3v1/1.1 tags are not shown correctly.

More about MP3 discs
- MP3 discs (either CD-R or CD-RW) require a longer readout time. (It varies due to the complexity of the recording configuration.)
- When making an MP3 disc, select ISO 9660 Level 1 or Level 2 as the disc format.
- This unit does not support multisession recording.
- This unit can play MP3 files only with the following file extensions— ".MP3," ".Mp3," ".mP3," and ".mp3."
- Non-MP3 files are ignored. If non-MP3 files are recorded together with MP3 files, this unit will take a longer time to scan the disc. It may also cause the unit to malfunction.
- Some MP3 discs may not be played back because of their disc characteristics or recording conditions.

Loading CDs

1 Press CD ⏏.
The unit automatically turns on and the carrousel comes out.

2 Place one or two discs correctly on the front recesses of the disc tray, with its label side up.



- When using a CD single (8 cm), place it on the inner recess of the disc tray.

3 If you wish to load a third disc, press DISC CHANGE on the unit or DISC SKIP on the remote control.
The disc tray rotates by 120°.

4 Press CD ⏏ again.
The carrousel closes.

Playing Back CDs—All Disc and One Disc

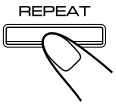
You can play all loaded CDs continuously—All Disc play, or one selected disc—One Disc play.

All Disc play

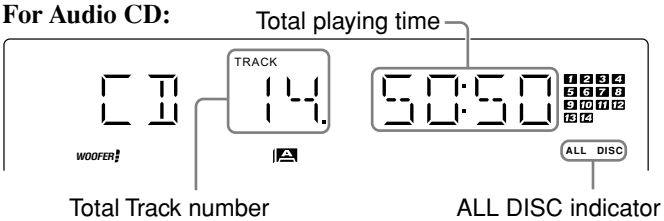
On the unit ONLY:

1 Load CDs.
- If the current playing source is not the CD player, press CD ▶/II, then ■ before going to the next step.

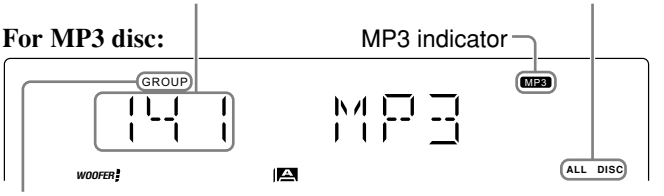
2 Press REPEAT repeatedly so that the ALL DISC indicator lights up on the display.



For Audio CD:



For MP3 disc:



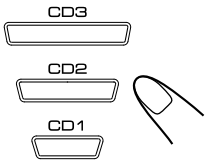
GROUP indicator appears when the MP3 playback mode is the ALBUM mode. See also page 17.

• Each time you press the button, the indication on the display changes as follows:

ALL DISC → 1 DISC → REPEAT 1* → REPEAT ALL DISC* ← REPEAT 1 DISC* ←
(initial setting)

* See page 19.

3 Press one of the disc number buttons (CD1, CD2 or CD3) for the disc you want to start to play from.

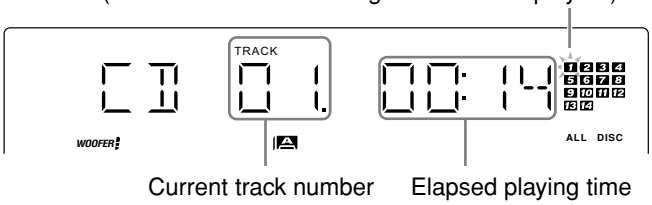


CD play starts from the first track of the selected disc.

• Pressing CD ▶/II instead of the disc number buttons starts playing back if a CD is on the tray.

For Audio CD:

Track number of the currently playing disc flashes
(Track numbers exceeding 16 are not displayed.)

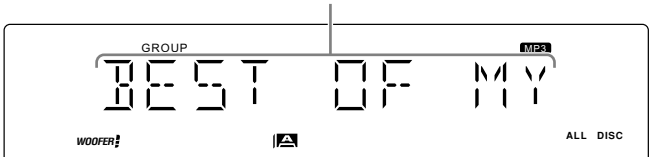


For MP3 disc:

• When the MP3 playback mode is the ALBUM mode
(See also page 17.)

Current album number

Current track title scrolls.

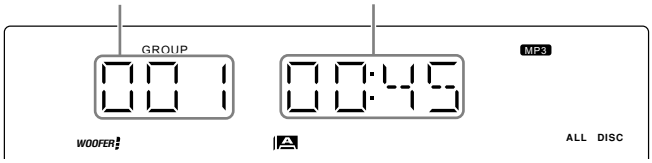


When the track includes the ID3v1/1.1 tags, “Title” and “Artist” will scroll after the track title.

• “<TITLE>” appears before the content of “Title” scrolls and “<ARTIST>” appears before the content of “Artist” scrolls.

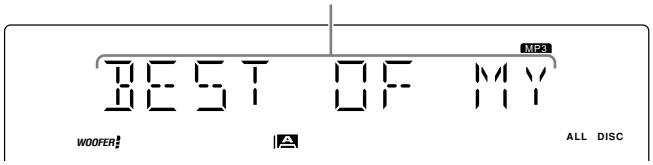
Current track number of the current album

Elapsed playing time



• When the MP3 playback mode is the TRACK mode
(See also page 17.)

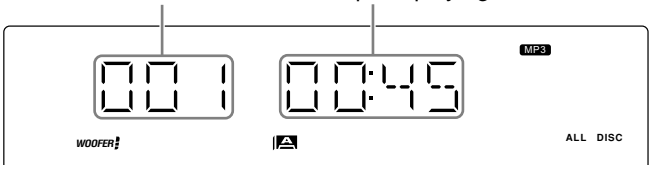
Current track title scrolls.



When the track includes the ID3v1/1.1 tags, “Title” and “Artist” will scroll after the track title.

• “<TITLE>” appears before the content of “Title” scrolls and “<ARTIST>” appears before the content of “Artist” scrolls.

Current track number** Elapsed playing time



** In the TRACK mode, the unit manage only files (tracks) on the MP3 disc. Folders (albums) are not recognized.

To stop during play, press ■.

• For MP3 disc, this unit can store the number of the track that you have stopped playback. By pressing CD ▶/II, you can start playback again from the beginning of the same track—Resume play (see also page 17).

To remove the disc, press CD ⏏.

CD playback sequence

When 3 CDs are loaded on the disc trays, they are played in one of the following sequences.

• When CD1 is pressed : CD1 ⇨ CD2 ⇨ CD3 (then stops)
• When CD2 is pressed : CD2 ⇨ CD3 ⇨ CD1 (then stops)
• When CD3 is pressed : CD3 ⇨ CD1 ⇨ CD2 (then stops)

* When only 2 CDs are loaded, they are played in the same order, but the disc tray without a CD is skipped.

About the CD READY lamps (CD1, CD2, and CD3)

• Each lamp corresponds to the disc tray of the same number.
• The CD READY lamp flashes while the corresponding CD is being played.
• The CD READY lamp goes off when the unit has detected that there is no CD on the corresponding disc tray.

One Disc play

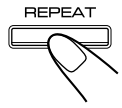
When 2 or 3 CDs are loaded on the disc trays, you can select one particular disc to be played back.

On the unit ONLY:

1 Load CDs.

- If the current playing source is not the CD player, press CD ►/II, then ■ before going to the next step.

2 Press REPEAT repeatedly so that the 1 DISC indicator lights up on the display.



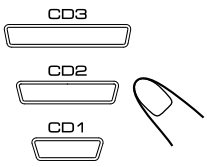
- Each time you press the button, the indication on the display changes as follows:

ALL DISC (initial setting) → 1 DISC → REPEAT 1* → REPEAT ALL DISC* ← REPEAT 1 DISC* ←

* See page 19.

3 Press one of the disc number buttons (CD1, CD2 or CD3) you want to listen.

Playback stops when all tracks of the selected disc are played once and resumes to All Disc play.



To stop during play, press ■.

- For MP3 disc, this unit can store the number of the track that you have stopped playback. By pressing CD ►/II, you can start playback again from the beginning of the same track—Resume play (see also page 17).

To remove the disc, press CD ▲.

To exit from One Disc play, press REPEAT repeatedly so that ALL DISC indicator lights up on the display.

The following operations will also cancel the One Disc play and restore All Disc play when—

- Stopping playback,
- Turning off the power,
- Ejecting the carrousel, or
- Changing the source to play.

Basic CD Operations

While playing a CD, you can do the following operations.

To exchange CDs during playback of another

Press DISC CHANGE to change the CD and the carrousel comes out.
If you change CDs during play, the current play will not stop until all CDs you have changed are played.

To close the carrousel, press DISC CHANGE or CD ▲.

To skip to the another CD in the carrousel

Press DISC SKIP on the remote control.

To stop play for a moment

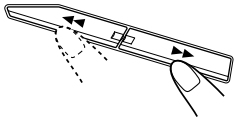
Press CD ►/II.
While pausing, "PAUSE" appears on the display.

To resume play, press CD ►/II again.

To locate a particular point in a track

During play, press and hold ►► or ◄◄.

- ►►: Fast forwards the disc.
- ◄◄: Fast reverses the disc.



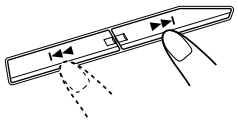
When using the remote control, press and hold ►►I/►► or I◄◄/◄◄.

To go to another track

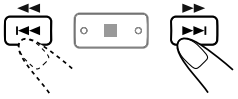
For Audio CD:

Press ►►I or I◄◄ before or during playback.

- ►►I: Skips to the beginning of the next or succeeding tracks.
- I◄◄: Goes back to the beginning of the current or previous tracks.



When using the remote control, press ►►I/►► or I◄◄/◄◄.



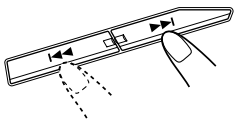
If you press ►►I or I◄◄ (or ►►I/►► or I◄◄/◄◄ on the remote control) to select a track while playback is stopped

The selected track starts playback.

For MP3 disc:

When the MP3 playback mode is the TRACK mode
(See also page 17.)

Press ►►I or I◄◄ before or during playback.



- ►►I: Skips to the beginning of the next or succeeding tracks.
- I◄◄: Goes back to the beginning of the current or previous tracks.

When using the remote control, press ►►I/►► or I◄◄/◄◄.

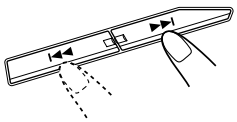
If you press ►►I or I◄◄ (or ►►I/►► or I◄◄/◄◄ on the remote control) to select a track while playback is stopped

The selected track starts playback.

To go to another album on an MP3 disc

When the MP3 playback mode is the ALBUM mode
(See also page 17.)

Press ►►I or I◄◄ before or during playback.



- ►►I: Skips to the beginning of the first track in the next or succeeding albums.
- I◄◄: Goes back to the beginning of the first track in the previous albums.

When using the remote control, press ►►I/►► or I◄◄/◄◄.

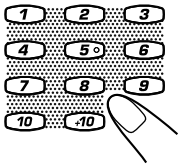
If you press ►►I or I◄◄ (or ►►I/►► or I◄◄/◄◄ on the remote control) to select an album while playback is stopped

The first track in the selected album starts playback.

To go to another track directly using the number buttons

For Audio CD:

Pressing the number button(s) before or during play allows you to start playing the selected track.

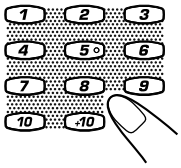


Ex.: For track number 5, press 5.
For track number 15, press +10, then 5.
For track number 20, press +10, then 10.
For track number 32, press +10, +10, +10, then 2.

For MP3 disc:

• When the MP3 playback mode is the TRACK mode
(See also page 17.)

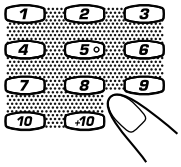
Pressing the number button(s) before or during play allows you to start playing the selected track on the disc.



Ex.: For track number 5, press 5.
For track number 15, press +10, then 5.
For track number 20, press +10, then 10.
For track number 32, press +10, +10, +10, then 2.
For track number 123, press +10 twelve times, then 3.

• When the MP3 playback mode is the ALBUM mode
(See also page 17.)

Pressing the number button(s) before or during play allows you to start playing the selected track in the current album.



Ex.: For the 5th track in the current album, press 5.
For the 15th track in the current album, press +10, then 5.
For the 20th track in the current album, press +10, then 10.
For the 32nd track in the current album, press +10, +10, +10, then 2.
For the 123rd track in the current album, press +10 twelve times, then 3.

If your entry is ignored

You have tried to enter a track number that does not exist on the disc or in the album (for example, selecting track 14 in the album that only has 12 tracks). Such entries are ignored.

Changing the MP3 Playback Mode

When playing an MP3 disc, you can choose the playback mode of the MP3 disc as follows:

- **TRACK mode:**
  The unit recognizes only tracks (files). You can play an MP3 disc like an Audio CD.
- **ALBUM mode:**
  The unit recognizes tracks (files) and albums (folders) on an MP3 disc. You can play an MP3 disc according to the way how they are grouped.
  In this mode, you can do the following operations:
  - Pressing ►►I or I◄◄ (or ►►I/►► or I◄◄/◄◄ on the remote control) allows you to skip to the first track of the previous or next albums. (See page 16.)
  - Pressing the number button(s) allows you to start playing the selected track in the current album. (See page 16.)

On the remote control ONLY:

Press MP3 before or during playing an MP3 disc.

GROUP indicator appears when the MP3 playback mode is the ALBUM mode.

- Each time you press the button, the MP3 playback mode changes between “ALBUM” and “TRACK” alternately.

Turning On or Off the Resume Play for MP3 Disc

For MP3 disc, this unit can store the number of the track that you have stopped playback. By pressing CD ►/II, you can start playback again from the beginning of the same track—Resume play.
You can turning on and off the resume play for MP3 discs.

On the unit ONLY:

Press PROGRAM before or during playing an MP3 disc.

- Each time you press PROGRAM, the resume play turns on and off alternately.

If you unplug the AC power cord
The resume play is back to on.

The following operations will erase the memory of the track number that you have stopped playback when—
- Pressing CD ▲ to eject the disc.
- Pressing one of the disc number buttons (or DISC SKIP on the remote control) to change the disc to play.

Programming the Playing Order of the Tracks —Program Play

You can arrange the order in which the tracks play before you start playing. **You can program up to 32 tracks.**

- To use Repeat play (see page 19) for Program play, press REPEAT after starting Program play.

notes **Playback and recording for Program play are not available to MP3 discs on this unit**

There may be a malfunction in case that you try to do such playback or recording.
If a malfunction occurs, unplug the AC power cord and then plug it back in.

On the unit ONLY:

1 **Load CDs.**

- If the current playing source is not the CD player, press CD ►/II, then ■ before going to the next step.

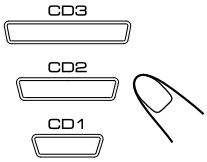
2 **Press PROGRAM so that "PROGRAM" appears on the display.**

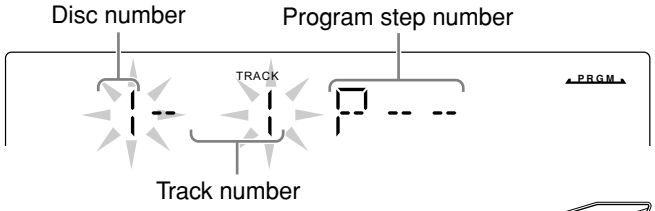
The PRGM (program) indicator also lights up on the display.

- All Disc play is selected automatically. You cannot select One Disc play for Program play.

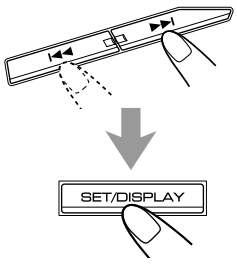
- If a program has been stored in memory, the program is called up.

3 **Press one of the disc number buttons (CD1, CD2, and CD3) to select the disc number you want to play.**





4 **Press ►►I or I◄◄ to select the track number, then press SET/DISPLAY.**



Each time you select a track and press SET/DISPLAY, the selected track number is added to the track number indicator.

- You can select up to the 99th track on each disc.

5 **Program other tracks you want.**

- To program tracks from the same disc, repeat step ***4***.
- To program tracks from a different disc, repeat steps ***3*** and ***4***.

6 **Press CD ►/II.**

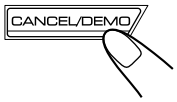
The tracks are played in the order you have programmed.

To stop during play, press ■.

To exit from Program play, press PROGRAM again before or after play so that the unit enters All Disc play. (The program you have made is stored in memory until you turn off the unit, eject the carrousel, or erase the program.)

- Program play is also canceled when you press CD ⏏.

To modify the program



Before playing, you can erase the last programmed track shown on the display by pressing CANCEL/DEMO.

- Each time you press the button, the last programmed track is erased from the program.

To add tracks in the program before play, simply select the disc numbers and/or track numbers you want to add by following steps ***3*** and ***4*** of the programming procedure.

To check the program before play, perform the following procedure:

1 Press RANDOM while Program play is stopped.
2 Press ►►I or I◄◄.
The programmed tracks appear on the display in the programmed (or reverse) order.

- Pressing CD ►/II starts Program play from the first track of the program.

notes **If you want to add tracks in the program after checking the program**

Press PROGRAM twice, then add tracks by following steps ***3*** and ***4*** of the programming procedure.

To erase the entire program, press ■ while Program play is stopped.

- Turning the power off or ejecting the carrousel will also erase the stored memory.

notes **If you try to add another track when 32 tracks are already programmed**

"FULL" appears on the display and the 32nd track is replaced by the newly added track.

notes **If you have programmed a track from an empty tray, or a track number that does not exist on the disc**

Such program steps will be skipped.

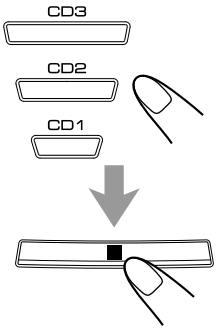
Playing at Random——Random Play

The tracks of the selected CD will play at random.
- To use Random play, you have to cancel Program play.

On the unit ONLY:

1 Load a CD.

2 Press one of the disc number buttons (CD1, CD2, and CD3) for the disc you want to play, then press ■.



3 Press RANDOM so that "RANDOM" appears on the display.

The RANDOM indicator also lights up on the display.
- Activating Random play cancels Repeat play or All Disc play. (One Disc play is automatically selected.)
- For MP3 discs, activating Random play changes the ALBUM mode to the TRACK mode.

- The tracks are played automatically at random. Random play ends when all tracks are played once.

To stop and cancel Random play, press ■.
- If you press RANDOM again during play, Random play is canceled and the unit enters All Disc play mode.
- Random play is also canceled when you press CD ⏏.

If you press ►►| or |◄◄ (or ►►|/►► or |◄◄/◄◄ on the remote control)

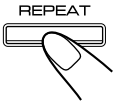
Playback skips to the next track selected randomly.

Repeating Tracks or CDs——Repeat Play

You can have all the CDs, the program or the individual track currently playing repeat as many times as you like.
- Repeat play and Random play cannot be used at the same time.

On the unit ONLY:

To repeat play, press REPEAT during or before playing.



- Each time you press the button, Repeat play mode changes as follows, and the following indicator lights up on the display:

ALL DISC* → 1 DISC* → REPEAT 1 → REPEAT 1 DISC → REPEAT ALL DISC →

REPEAT 1: Repeats one track on one CD.
REPEAT 1 DISC**: Repeats all the tracks on one CD.
REPEAT ALL DISC: Repeats all the tracks on all the CDs, or all the tracks on the program.

* See pages 13 and 15.

** REPEAT 1 DISC is not used for Program play.

To cancel Repeat play, press REPEAT repeatedly until the REPEAT indicator (REPEAT 1, REPEAT 1 DISC or REPEAT ALL DISC) goes off from the display.
- Repeat play is also canceled in the following cases:
  –When you press ■ or CD ⏏.
  –When you change the source.
  –When you turn off the unit.

Prohibiting Disc Ejection——Carrousel Lock

You can prohibit CD ejection from the unit and can lock the carrousel.
- This operation is possible only while the unit is on with CD selected as the source.

On the unit ONLY:

To prohibit disc ejection, press CD ⏏ for the carrousel while holding ■.
"LOCKED" appears for a while, and the carrousel is locked.

If you try to eject CDs

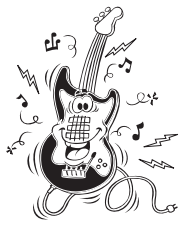
"LOCKED" appears to inform you that the Carrousel Lock is in use.

To cancel the prohibition and unlock the carrousel, press CD ⏏ for the carrousel while holding ■.
"UN LOCKED" appears for a while, and the carrousel is unlocked.

When you unplug the AC power cord or if a power failure occurs

The setting of the Carrousel Lock will return to the initial setting (not to prohibit disc ejection) in a few days.

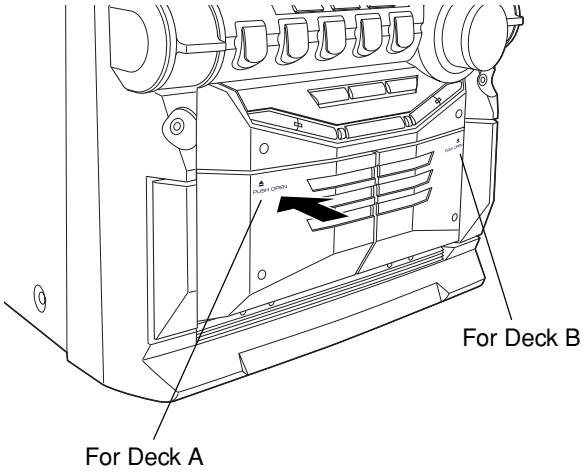
Playing Back Tapes



English

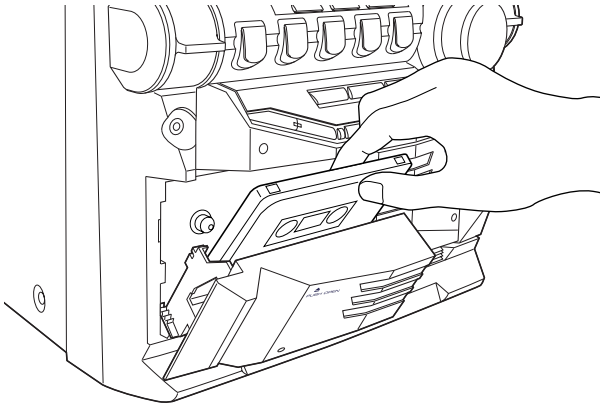
Playing Back a Tape

1 Press ⏏ for the deck you want to use.



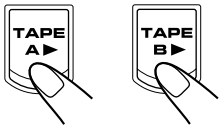
2 Put a cassette in, with the exposed part of the tape down and the side you want to play facing front.

• You can play back only type I tapes.



3 Close the cassette holder gently.

4 Press TAPE A ► for the deck A or TAPE B ► for the deck B .



The tape play starts and the tape running indicator (►) starts flashing slowly.

The operating deck (A or B) indicator shows the deck currently selected.

When the tape plays to the end, the deck automatically stops.

To stop during play, press ■.

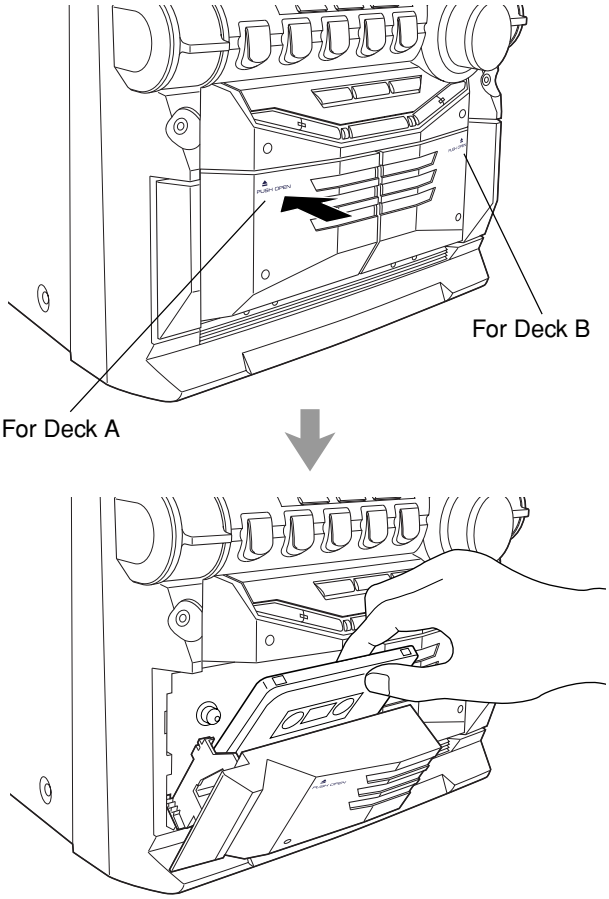
To fast-forward the tape, press ►► (or ►►I/►► on the remote control). The tape running indicator (►) starts flashing quickly.

To rewind the tape, press ◄◄ (or I◄◄/◄◄ on the remote control). The tape running indicator (◄) starts flashing quickly.

notes **When you fast-forward or rewind the tape while the tape play is stopped**

You can fast-forward or rewind the tape in the deck currently selected.

To remove the cassette, press ⏏ for deck A or B.



STOP! The use of the C-120 or thinner tape is not recommended, since characteristic deterioration may occur and this tape easily jams in the pinch-rollers and the capstans.

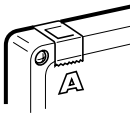
Recording

IMPORTANT:

- **It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.**
- The recording level is automatically set correctly, so it is not affected by the VOLUME, the SUBWOOFER LEVEL, the RHYTHM AX, and the SOUND MODE controls. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- If recordings you have made have excessive noise or static, the unit may be too close to a TV. Place the unit away from the TV.
- You can use type I tape for recording.

To protect your recording

Cassettes have two small tabs on the back to protect unexpected erasure or re-recording.
To protect your recording, remove these tabs.
To re-record on a protected tape, cover the holes with adhesive tape.



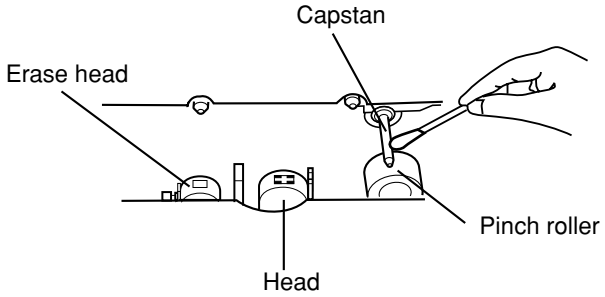
To keep the best recording and playback sound quality

If the heads, capstans, and pinch rollers of the cassette decks become dirty, the following will occur:

- Impaired sound quality
- Discontinuous sound
- Fading
- Incomplete erasure
- Difficulty in recording

To clean the head, capstan, and pinch roller

Use a cotton swab moistened with alcohol.



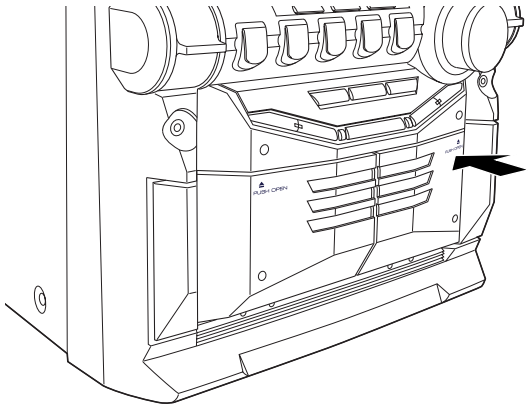
To demagnetize the head

Turn off the unit, and use a head demagnetizer (available at electronics and audio shops).

Recording a Tape on Deck B

On the unit ONLY:

1 **Press ⏏ for deck B.**



2 **Put a recordable cassette in, with the exposed part of the tape down and the side you want to record facing front.**

3 **Close the cassette holder gently.**

4 **Start playing the source—FM, AM, CD player or auxiliary equipment connected to AUX IN jack.**

- For duplicating tapes, see “Dubbing Tapes” on page 22.
- For recording from CD, see “CD Synchronized Recording” on page 22.

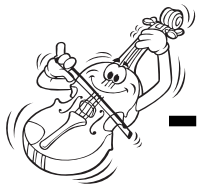
5 **Press REC START/STOP.**

The REC (recording) indicator lights up on the display and recording starts.

- The REC (recording) lamp also lights up during recording.

To stop during recording, press REC START/STOP again or ■.

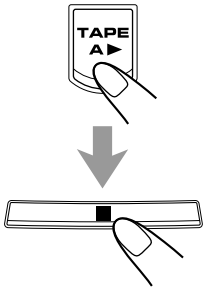
To remove the cassette, press ⏏ for deck B.



Dubbing Tapes

On the unit ONLY:

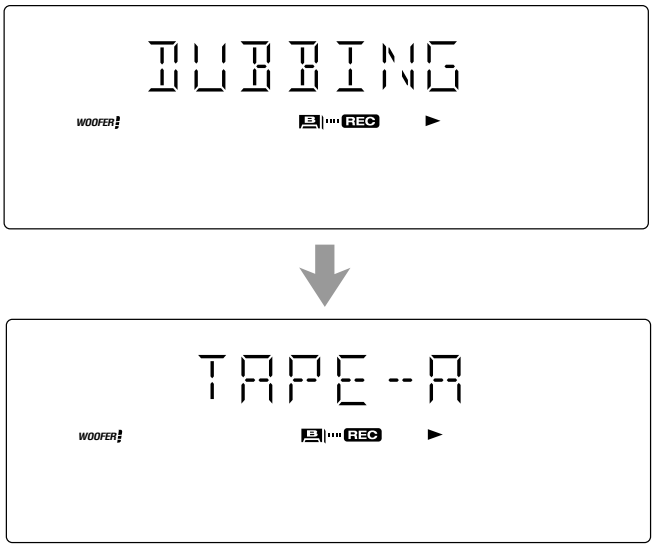
1 Press TAPE A ►, then ■.



2 Put the source cassette in deck A, and a recordable cassette into deck B.

3 Press DUBBING.

Dubbing starts.
"DUBBING" appears, and the REC (recording) indicator lights up on the display.
- The REC (recording) lamp also lights up during recording.



To stop during dubbing, press REC START/STOP or ■.

To remove the cassettes, press ⏏ for deck A and B.

CD Synchronized Recording

You can easily record a CD onto a tape.
- This function does not work for MP3 discs. When recording an MP3 disc onto a tape, see "Recording a Tape on Deck B" on page 21.
- You can also record the tracks in the order you have made the program.

Playback and recording for Program play are not available to MP3 discs on this unit

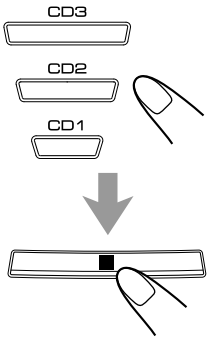
There may be a malfunction in case that you try to do such playback or recording.
If a malfunction occurs, unplug the AC power cord and then plug it back in.

On the unit ONLY:

1 Put a recordable cassette into deck B.

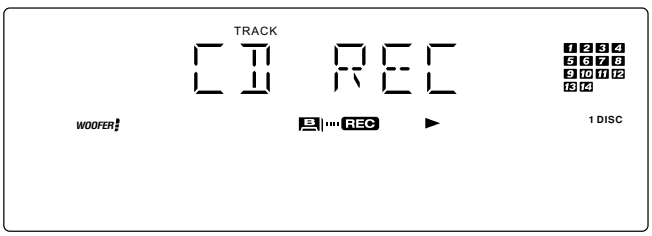
2 Place a disc correctly on the recess of the disc tray, with its label side up.

3 Press one of the disc number buttons (CD1, CD2, and CD3) to select the disc, then ■.



4 Press CD REC START.

"CD REC" appears, and the REC (recording) indicator lights up on the display.
- The REC (recording) lamp also lights up during recording.



Deck B starts recording and the CD player starts playing. When the recording from the selected CD is done, the CD player and deck B stop.
- When recording your program, the CD player and deck B stop after all tracks in the program are recorded.

To stop during CD Synchronized Recording, press REC START/STOP or ■.

To remove the cassette, press ⏏ for deck B.

English

Using the Timers

There are three timers available—Daily Timer, Recording Timer, and Sleep Timer.
Before using the timers, you need to set the clock built in the unit. (See "Setting the Clock" on page 9.)

Using Daily Timer

With Daily Timer, you can wake to your favorite music or radio program. You can set the timer whether the unit is on or off.

How Daily Timer actually works

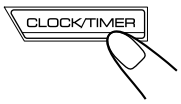
The unit automatically turns on, set the volume level to the preset level, and starts playing the specified source when the on-time comes (the ◕ indicator flashes while the timer is operating). Then, when the off-time comes, the unit automatically turns off (stands by).
Daily Timer works every day unless you cancel it.

- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step ***1*** again.
- If you have made a mistake while setting timer, press CANCEL/DEMO. (However, this does not always work. If CANCEL/DEMO does not work, press CLOCK/TIMER repeatedly and start from step ***1*** again.)

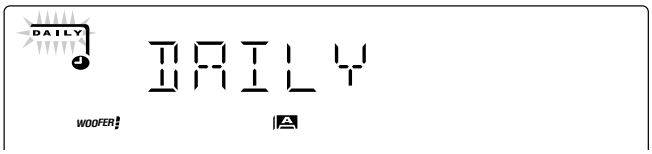
Before you start...
- *When using the tuner as the source to play:*
  — Make sure to preset a station you want to play. (See page 12.)
- *When using a CD as the source to play:*
  — Make sure there is a CD you want to play on the currently selected disc number tray.
- *When using a tape as the source to play:*
  — Make sure that a tape you want to play is in the deck A if there are tapes in both the deck A and B.
- *When using the external component as the source to play:*
  — Set the timer equipped with the external component at the same time.

On the unit ONLY:

1 Press CLOCK/TIMER repeatedly until "DAILY" appears on the display.



◕ indicator lights up and the DAILY (daily timer) indicator starts flashing on the display.

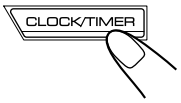


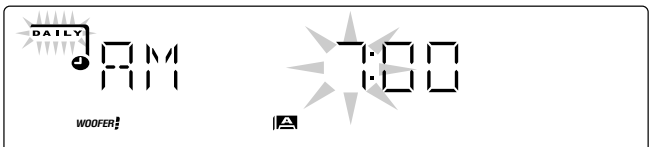
- Each time you press the button, the clock/timer setting modes change as follows:

DAILY → ON TIME → REC
(Daily Timer)
Canceled ← CLOCK ← ON TIME
(See page 9.) (Recording Timer)

2 Press CLOCK/TIMER again.

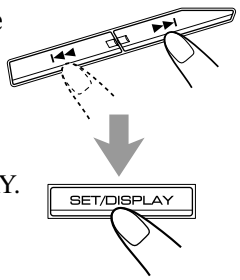
"ON TIME" appears for 2 seconds, then the unit enters on-time setting mode.





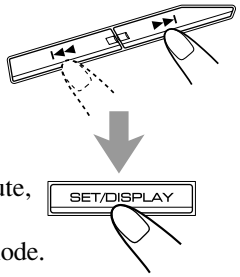
3 Set the on-time you want the unit to turn on.

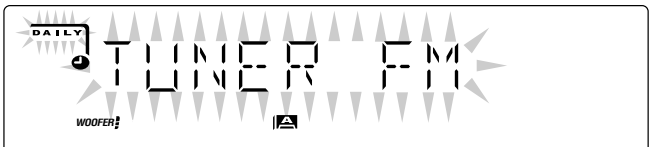
1) Press ▶▶I or I◀◀ to set the hour, then press SET/DISPLAY.
2) Press ▶▶I or I◀◀ to set the minute, then press SET/DISPLAY.
"OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.



4 Set the off-time you want the unit to turn off (on standby).

1) Press ▶▶I or I◀◀ to set the hour, then press SET/DISPLAY.
2) Press ▶▶I or I◀◀ to set the minute, then press SET/DISPLAY.
The unit enters source selecting mode.

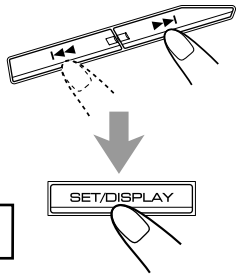




5 Press ▶▶I or I◀◀ to select the source to play, then press SET/DISPLAY.

- Each time you press ▶▶I or I◀◀, the source changes as follows:

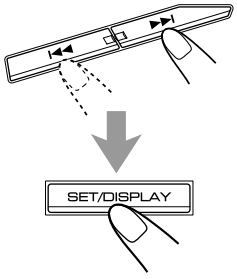
TUNER FM ⟷ TUNER AM
AUX ⟷ TAPE ⟷ CD



TUNER FM : tunes in to a specified preset FM station.
→ go to step ***6***.
TUNER AM : tunes in to a specified preset AM station.
→ go to step ***6***.
CD : plays the current disc from the first track.
→ go to step ***7***.
TAPE : plays a tape in deck A or B.
→ go to step ***7***.
AUX : plays an external source.
→ go to step ***7***.

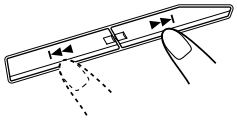
6 Select the preset station number.

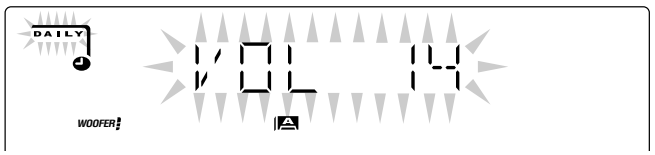
Press ►►I or I◄◄ to select the preset station number, then press SET/DISPLAY.
The unit enters volume setting mode.



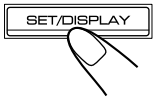
7 Press ►►I or I◄◄ to set the volume level.

- You can select the volume level from VOL MIN, VOL 1 — VOL 30, and VOL MAX.



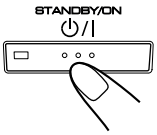


8 Press SET/DISPLAY to complete the Daily Timer setting.



The DAILY (daily timer) indicator stops flashing and remains lit. The settings you have done are shown on the display in sequence for your confirmation.

9 Press ⏻/I STANDBY/ON to turn off the unit (on standby) if you have set the Daily Timer with the unit turned on.



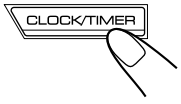
notes

If the unit is turned on when the timer-on time comes

Daily Timer does not work.

To turn on or off Daily Timer after its setting is done

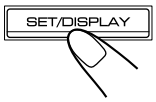
1 Press CLOCK/TIMER repeatedly until "DAILY" appears on the display.



2 To turn off the Daily Timer, press CANCEL/DEMO.

The DAILY (daily timer) indicator goes off from the display ("OFF" appears for a while).
The Daily Timer is canceled, but the setting for the Daily Timer remains in memory until you change it.

To turn on the Daily Timer, press SET/DISPLAY.



The DAILY (daily timer) indicator lights up on the display. The settings you have done are shown on the display in sequence for your confirmation.

Using Recording Timer

With Recording Timer, you can make a tape of a radio broadcast automatically. You can set the timer whether the unit is on or off.

How Recording Timer actually works

The unit automatically turns on, tunes in to the specified station, sets the volume level to "VOL MIN," and starts recording when the on-time comes (the ◕ indicator flashes while the timer is operating). Then, when the off-time comes, the unit automatically turns off (stands by).
Recording Timer works only once, but the timer setting remains in memory until you change it.

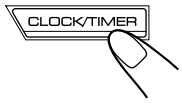
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step ***2*** again.
- If you have made a mistake while setting the timer, press CANCEL/DEMO. (However, this does not always work. If CANCEL/DEMO does not work, press CLOCK/TIMER repeatedly and start from step ***2*** again.)

Before you start...
Make sure to preset a station you want to record. (See page 12.)

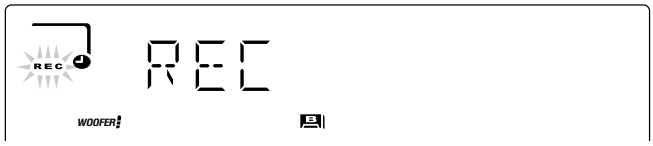
On the unit ONLY:

1 Put a recordable cassette into deck B.

2 Press CLOCK/TIMER repeatedly until "REC" appears on the display.



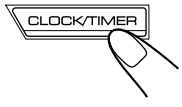
◕ indicator lights up and the REC (recording timer) indicator starts flashing on the display.



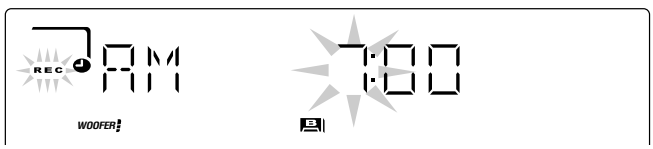
- Each time you press the button, the clock/timer setting modes change as follows:

DAILY → ON TIME (Daily Timer) → REC → ON TIME (Recording Timer) → CLOCK (See page 9.) → Canceled → DAILY

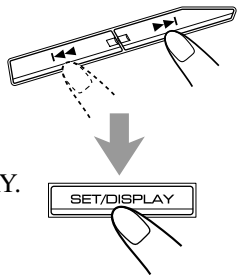
3 Press CLOCK/TIMER again.



"ON TIME" appears for 2 seconds, then the unit enters on-time setting mode.

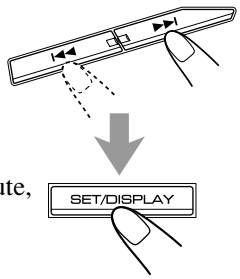


4 Set the on-time you want the unit to turn on.



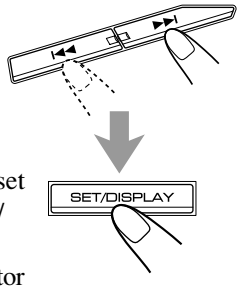
1) Press ►►I or I◄◄ to set the hour, then press SET/DISPLAY.
2) Press ►►I or I◄◄ to set the minute, then press SET/DISPLAY.
"OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.

5 Set the off-time you want the unit to turn off (on standby).



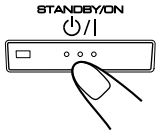
1) Press ►►I or I◄◄ to set the hour, then press SET/DISPLAY.
2) Press ►►I or I◄◄ to set the minute, then press SET/DISPLAY.
The unit enters preset station selecting mode.

6 Select the preset station.



1) Press ►►I or I◄◄ to select the band ("TUNER FM" or "TUNER AM"), then press SET/DISPLAY.
2) Press ►►I or I◄◄ to select a preset channel number, then press SET/DISPLAY.
The REC (recording timer) indicator stops flashing and remains lit. The settings you have done are shown on the display in sequence for your confirmation.

7 Press ⏻/I STANDBY/ON to turn off the unit (on standby) if necessary.



About the recording source

If you change the source while recording, the recording source also changes.

To turn on or off Recording Timer after its setting is done

1 **Press CLOCK/TIMER repeatedly until "REC" appears on the display.**

2 **To turn off the Recording Timer, press CANCEL/DEMO.**

The REC (recording timer) indicator goes off from the display ("OFF" appears for a while). The Recording Timer is canceled, but the setting for the Recording Timer remains in memory until you change it.

To turn on the Recording Timer, press SET/DISPLAY.

The REC (recording timer) indicator lights up on the display. The settings you have done are shown on the display in sequence for your confirmation.

Using Sleep Timer

With Sleep Timer, you can fall asleep to music.
You can set Sleep Timer when the unit is turned on.

How Sleep Timer actually works

The unit automatically turns off after the specified time length passes.

On the remote control ONLY:

1 Press SLEEP.

The time length until the shut-off time appears and the SLEEP indicator starts flashing on the display.

- Each time you press the button, the time length changes as follows:

SLEEP10 → SLEEP20 → SLEEP30 → SLEEP60 → SLEEP90 → SLEEP120 → OFF (Canceled) → SLEEP10

2 Wait for about 3 seconds after specifying the time length.

The SLEEP indicator stops flashing and remains lit.

To check the remaining time until the shut-off time, press SLEEP once so that the remaining time until the shut-off time appears for about 3 seconds.

To change the shut-off time, press SLEEP repeatedly until the desired time length appears on the display.

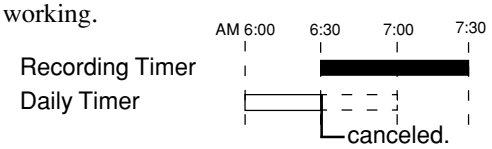
To cancel the setting, press SLEEP repeatedly until "OFF" appears on the display so that the SLEEP indicator goes off from the display.

- Sleep Timer is also canceled when you turn off the unit.

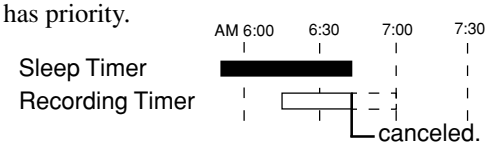
Timer Priority

Since each timer can be set separately, you may wonder what happens if the setting for these timers overlaps.
Here are some examples.

- **Recording Timer has priority over Daily Timer.**
If Recording Timer is set to come on while Daily Timer is operating, Daily Timer is canceled and Recording Timer start working.



- If Sleep Timer overlaps with another timer (either Daily Timer or Recording Timer), a timer with the earlier shut-off time has priority.



When using the Recording Timer and Sleep Timer at the same time, pay special attention to the shut-off time.

Maintenance

English

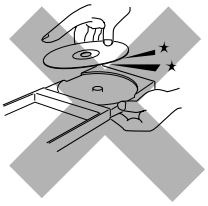
To get the best performance of the unit, keep your discs, tapes, and mechanism clean.

Cleaning the unit

- **Stains on the unit**
  Should be wiped off with a soft cloth. If the unit is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
- **Avoid the following since they may cause damage to the unit.**
  - DO NOT wipe it with a hard cloth.
  - DO NOT wipe it strong.
  - DO NOT wipe it with thinner or benzine.
  - DO NOT apply any volatile substance such as insecticides to it.
  - DO NOT allow any rubber or plastic to remain in contact with it for a long time.

Handling discs

- Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
- Do not touch the shiny surface of the disc, or bend the disc.
- Put the disc back in its case after use to prevent warping.

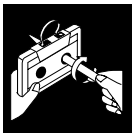


- Be careful not to scratch the surface of the disc when placing it back in its case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

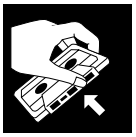
To clean the disc
Wipe the disc with a soft cloth in a straight line from center to edge.

STOP! DO NOT use any solvent—such as conventional record cleaner, spray, thinner, or benzine—to clean the disc.

Handling cassette tapes



- If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotating.
- If the tape is loose, it may get stretched, cut, or caught in the cassette.



- Be careful not to touch the tape surface.

- Avoid the following places to store the tape:
  — In dusty places
  — In direct sunlight or heat
  — In moist areas
  — Near a magnet

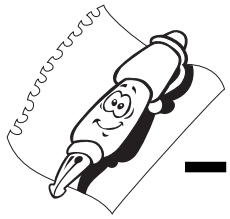
Troubleshooting

If you are having a problem with your unit, check this list for a possible solution before calling for service.
If you cannot solve the problem from the hints given here, or the unit has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Cause	Action
Unable to cancel the display demonstration.	Other buttons are pressed to cancel the display demonstration.	Press CANCEL/DEMO on the unit. (See page 8.)
No sound is heard.	Connections are incorrect or loose.	Check all connections and make corrections. (See pages 6 to 8.)
Hard to listen to broadcasts because of noise.	• Antennas are disconnected. • The AM loop antenna is too close to the unit. • The FM antenna is not properly extended and positioned.	• Reconnect the antennas correctly and securely. • Change the position and direction of the AM loop antenna. • Extend the FM antenna at the best position.
The disc sound is discontinuous.	The disc is scratched or dirty.	Clean or replace the disc. (See page 26.)
The carrousel does not open or close.	• The AC power cord is not plugged in. • The carrousel is locked.	• Plug the AC power cord. • Unlock the carrousel. (See page 19.)
The disc does not play.	The disc is placed upside down.	Place the disc with the label side up.
The MP3 disc does not play.	• No MP3 files are recorded on the disc. • MP3 files do not have the file extension—.MP3, .Mp3, .mP3, or .mp3 in their file names. • MP3 files are not recorded in the format compliant with ISO 9660 Level 1 or Level 2.	Replace the disc.
The readout time of the MP3 disc is too long.	The readout time varies with the complexity of the recording configuration.	Do not use too many hierarchies and folders when recording. Also, do not record any other types of audio tracks together with MP3 files. (See page 13.)
The cassette holders cannot be opened.	Power supply from the AC power cord has been cut off while the tape was running.	Turn on the unit.
Impossible to record.	Small tabs on the back of the cassette are removed.	Cover the holes with adhesive tape.
Operations are disabled.	The built-in microprocessor may malfunction due to external electrical interference.	Unplug the AC power cord and then plug it back in.
Unable to operate the unit from the remote control.	• The path between the remote control and the remote sensor on the unit is blocked. • The batteries are exhausted.	• Remove the obstruction. • Replace the batteries.

Specifications

Design and specifications are subject to change without notice.



English

Amplifier section—CA-MXGB6

Output Power

SUBWOOFERS : 170 W per channel, min. RMS, driven into 6 Ω at 63 Hz with no more than 10% total harmonic distortion.

MAIN SPEAKERS: 80 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion.

Audio input sensitivity/Impedance
(at 1 kHz, measured at MAIN SPEAKERS)
AUX : 400 mV/50 kΩ

Speakers/Impedance : Subwoofers : 6 Ω – 16 Ω
Main speakers : 4 Ω – 8 Ω

Tuner

FM tuning range : 87.50 MHz – 108.00 MHz
AM tuning range: 530 kHz – 1 710 kHz

CD player

CD Capacity : 3 CDs
Dynamic range : 85 dB
Signal-to-noise ratio : 85 dB

Cassette deck

Frequency response
Normal (type I): 50 Hz — 14 000 Hz
Wow and flutter : 0.15% (WRMS)

General

Power requirement : AC 120 V~, 60 Hz
Power consumption : 230 W / 270 VA (at operation)
23.8 W (on standby)
Dimensions (approx.): 270 mm x 317 mm x 480 mm (W/H/D)
Mass (approx.) : 10.5 kg

Supplied accessories

See page 6.

Speaker section—SP-MXGB6

Type : 3-way bass-reflex type
Speaker units : Subwoofer : 20 cm cone x1
Main Woofer : 12 cm cone x1
Tweeter : 5 cm cone x1
Power handling capacity : Subwoofer : 170 W
Main speaker : 80 W
Impedance : Subwoofer : 6 Ω
Main speaker : 4 Ω
Frequency range : Subwoofer : 25 Hz — 100 Hz
Main speaker : 100 Hz — 20 000 Hz
Sound pressure level : Subwoofer : 75 dB/W•m
Main speaker : 82 dB/W•m
Dimensions (approx.) : 233 mm x 456 mm x 360 mm (W/H/D)
Mass (approx.) : 6.6 kg each

Amplifier section—CA-MXGB5

Output Power

SUBWOOFERS : 160 W per channel, min. RMS, driven into 6 Ω at 63 Hz with no more than 10% total harmonic distortion.

MAIN SPEAKERS: 70 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion.

Audio input sensitivity/Impedance
(at 1 kHz, measured at MAIN SPEAKERS)
AUX : 400 mV/50 kΩ

Speakers/Impedance : Subwoofers : 6 Ω – 16 Ω
Main speakers : 4 Ω – 8 Ω

Tuner

FM tuning range : 87.50 MHz – 108.00 MHz
AM tuning range: 530 kHz – 1 710 kHz

CD player

CD Capacity : 3 CDs
Dynamic range : 85 dB
Signal-to-noise ratio : 85 dB

Cassette deck

Frequency response
Normal (type I): 50 Hz — 14 000 Hz
Wow and flutter : 0.15% (WRMS)

General

Power requirement : AC 120 V~, 60 Hz
Power consumption : 220 W / 260 VA (at operation)
23.3 W (on standby)
Dimensions (approx.): 270 mm x 317 mm x 480 mm (W/H/D)
Mass (approx.) : 10 kg

Supplied accessories

See page 6.

Speaker section—SP-MXGB5

Type : 4-way bass-reflex type
Speaker units : Subwoofer : 16 cm cone x1
Main Woofer : 16 cm cone x1
Midrange : 5 cm cone x1
Tweeter : 2 cm dome x1
Power handling capacity : Subwoofer : 160 W
Main speaker : 70 W
Impedance : Subwoofer : 6 Ω
Main speaker: 4 Ω
Frequency range : Subwoofer : 25 Hz — 90 Hz
Main speaker : 90 Hz — 20 000 Hz
Sound pressure level : Subwoofer : 75 dB/W•m
Main speaker : 86 dB/W•m
Dimensions (approx.) : 302.5 mm x 325.5 mm x 345 mm (W/H/D)
Mass (approx.) : 6.6 kg each

MX-GB6/MX-GB5

COMPACT COMPONENT SYSTEM

JVC

VICTOR COMPANY OF JAPAN, LIMITED

EN, FR

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